

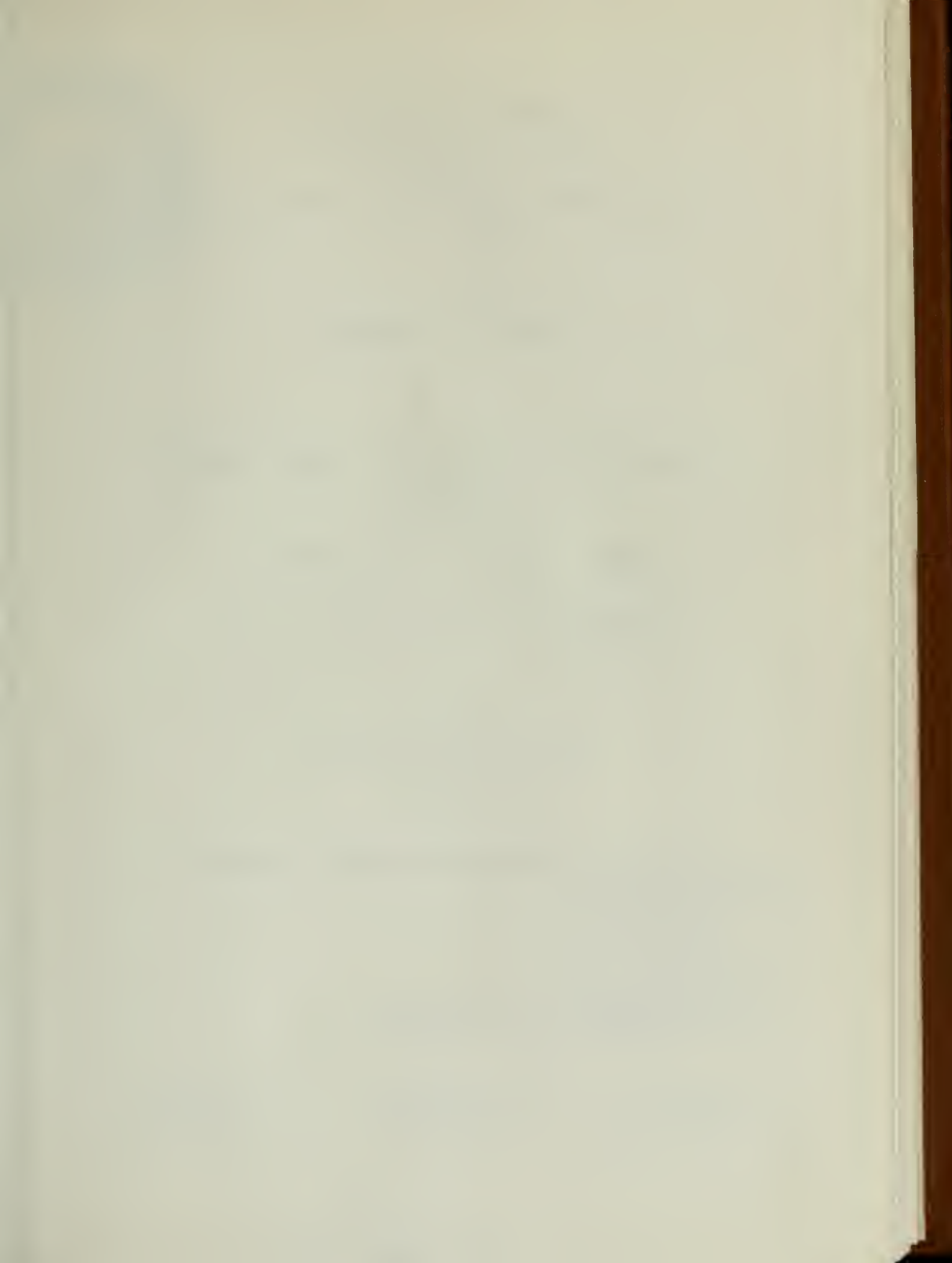


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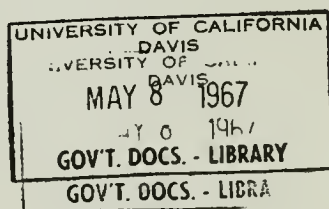
BULLETIN No. 91-12

WATER WELLS IN THE EASTERN PART  
OF THE  
ANTELOPE VALLEY AREA  
LOS ANGELES COUNTY, CALIFORNIA

*Prepared by*  
United States Department of Interior  
Geological Survey

FEDERAL-STATE COOPERATIVE GROUNDWATER INVESTIGATIONS

DECEMBER 1966



HUGO FISHER  
*Administrator*  
The Resources Agency

EDMUND G. BROWN  
*Governor*  
State of California

WILLIAM E. WARNE  
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This report is one of a series of reports prepared by the United States Department of the Interior, Geological Survey, Water Resources Division, which presents basic data on wells obtained from reconnaissance surveys of desert areas. These investigations are conducted by the Geological Survey under a cooperative agreement whereby funds are furnished equally by the United States and the State of California. The reports in this Bulletin No. 91 series are being published by the Department of Water Resources in order to make sufficient copies available for use by all interested agencies and the public at large. Earlier reports of this series are:

- Bulletin No. 91-1: Data on Wells in the West Part of the Middle Mojave Valley Area, San Bernardino County, California
- 91-2: Data on Water Wells and Springs in the Yucca Valley-Twenty-nine Palms Area, San Bernardino and Riverside Counties, California
- 91-3: Data on Water Wells in the Eastern Part of the Middle Mojave Valley Area, San Bernardino County, California
- 91-4: Data on Water Wells in the Willow Springs, Gloster, and Chaffee Areas, Kern County, California
- 91-5: Data on Water Wells in the Dale Valley Area, San Bernardino and Riverside Counties, California
- 91-6: Data on Wells in the Edwards Air Force Base Area, California
- 91-7: Data on Water Wells and Springs in the Chuckwalla Valley Area, Riverside County, California
- 91-8: Data on Water Wells and Springs in the Rice and Vidal Valley Areas, Riverside and San Bernardino Counties, California
- 91-9: Data on Water Wells in Indian Wells Valley Area, Inyo, Kern, and San Bernardino Counties, California
- 91-10: Data on Wells and Springs in the Lower Mojave Valley Area, San Bernardino County, California
- 91-11: Data on Water Wells in the Western Part of the Antelope Valley Area, Los Angeles and Kern Counties, California



IN REPLY REFER TO:  
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UNITED STATES  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY  
Water Resources Division  
District Office  
345 Middlefield Road  
Menlo Park, California, 94025

August 10, 1966

Mr. William E. Warne, Director  
Department of Water Resources  
State of California--Resources Agency  
Post Office Box 388  
Sacramento, California, 95814

Dear Mr. Warne:

We are pleased to transmit for publication by the Department of Water Resources the U.S. Geological Survey report, "Data on Water Wells in the Eastern Part of the Antelope Valley Area, Los Angeles County, California," by J. H. Koehler.

This report, one of a series for the Mojave Desert region, was prepared by the Garden Grove subdistrict office of the Geological Survey in accordance with the cooperative agreement between the State of California and the Geological Survey. It tabulates all available data on wells in the eastern part of the Antelope Valley area and shows reconnaissance geology with special reference to the water-yielding deposits.

Sincerely yours,

Walter Hofmann  
District Chief





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DATA ON WATER WELLS IN THE EASTERN PART OF THE ANTELOPE VALLEY AREA,  
LOS ANGELES COUNTY, CALIFORNIA

---

By J. H. Koehler

---

PURPOSE AND SCOPE OF THE WORK AND REPORT

The data presented in this report were collected by the U.S. Geological Survey as a phase of the investigation of water wells and general hydrologic conditions throughout much of the desert region of southern California. The study was made in cooperation with the California Department of Water Resources.

The desert regions of California are characteristically regions of nearly barren mountain ranges and isolated hills surrounding broad valleys that are underlain by alluvial deposits derived from the mountains and hills. The valley areas generally contain ground water that has a wide range in chemical quality, but much of the water can be, and has been, developed for beneficial use.

The general objective of the cooperative investigation is to collect and tabulate all available hydrologic data for the individual desert basins in order to provide public agencies and the general public with data for planning water utilization and development work and for use in the overall ground-water investigation of the area.

Accordingly, the scope of the work includes: (1) A brief reconnaissance of major geologic features to determine the extent and general character of the deposits that contain the ground-water bodies; (2) a field examination of almost all the water wells in the area to determine the location of wells in relation to geographic and cultural features and the public-land net and to record well depths and sizes, types and capacities of pumping equipment, uses of the water, and other pertinent information available at the well site; (3) measurement of the depth to the water surface below an established and described measuring point at or near the land surface; (4) selection of representative wells to be measured periodically in order to detect and record changes of water level; and (5) collection and tabulation of well records, including well logs, water-level measurements, chemical analyses, and pumping-test data.

The work has been done by the U.S. Geological Survey, under the general supervision of Walter Hofmann, district chief in charge of water-resources investigations in California, and under the immediate supervision of L. C. Dutcher, chief of the Garden Grove subdistrict office. The fieldwork was carried on intermittently between July 1963 and May 1964 from the Garden Grove subdistrict office of the Water Resources Division.

## LOCATION AND GENERAL FEATURES OF THE AREA

The eastern part of the Antelope Valley area, as described in this report (fig. 1), covers about 450 square miles, approximately between long 117°40' and 118°15' W. and lat 34°20' and 34°45' N. The boundaries of the area are: The Western Antelope Valley area of Moyle (1965) on the west; the Edwards Air Force Base area of Dutcher and others (1962) on the north; the Los Angeles and San Bernardino County line on the east; and the San Andreas fault zone on the southwest. Access to the area is provided by State Highway 14, formerly U.S. Highway 6, and other paved and unpaved roads.

The two principal towns within the area are Lancaster and Palmdale. The smaller towns of Quartz Hill, Littlerock, Pearblossom, Antelope Center, Valyermo, Pearland, and Llano are also within the area.

The base map (fig. 2) has been compiled from all or parts of the following U.S. Geological Survey topographic quadrangle maps: Lancaster, Shadow Mountains, Acton, Valyermo, and San Antonio, at a scale of 1:62,500; Alpine Butte, Littlerock, and Lovejoy Buttes, at a scale of 1:24,000.

The area is characterized by gently sloping alluvial plains and fans that extend into the area from the northern slopes of the San Gabriel Mountains which are south of the area. Lovejoy Buttes, Alpine Butte, and Black Butte rise above the alluvial plain to form the major topographic relief.

## PREVIOUS WORK AND ACKNOWLEDGMENTS

Data on ground water in the eastern part of the Antelope Valley area are contained in several U.S. Geological Survey water-supply papers and in reports by the California Department of Water Resources (table 7).

The California Department of Water Resources and the Los Angeles County Flood Control District supplied pertinent open-file information.

The geology, as shown in figure 2, is generalized after published mapping by Dibblee (1954a, 1954b, and 1955) in the Alpine Butte quadrangle, the Shadow Mountains quadrangle, and the Lancaster quadrangle; and after unpublished mapping by Dibblee in the eastern San Gabriel Mountains and Cajon Pass area and the Valyermo area.

The cooperation and assistance listed above is gratefully acknowledged, as is the assistance given by the many ranchers, well owners, drillers, and others who contributed materially to the completeness of the data presented in this report.

## GEOLOGIC AND HYDROLOGIC FEATURES OF THE AREA

### Geologic Units and Their Water-Bearing Character

The geologic formations of Antelope Valley are divided into two main groups, the consolidated rocks and the unconsolidated deposits. The formations within these groups have dissimilar water-bearing characteristics, but, in general, the unconsolidated younger deposits of Quaternary age are more porous and permeable than the consolidated older rocks of pre-Tertiary and Tertiary age. The unconsolidated deposits generally underlie the valleys and contain most of the ground water stored in the area. The consolidated rocks form the mountains and hills, surround the valley area, underlie the unconsolidated deposits, and form the sides and bottom of the ground-water basin. The consolidated rocks, for all practical purposes, are impermeable, but are important because in the mountains and hills they receive the major part of the precipitation within the drainage area. It is the runoff from the mountains and hills that contributes the major part of the recharge to the ground-water body contained in the unconsolidated deposits. In the following paragraphs the geologic units, shown in figure 2, are described from oldest to youngest with special reference to their water-bearing characteristics.



The oldest formation in the area is the basement complex which consists of undifferentiated quartz monzonite, granite, gneiss, schist, and other igneous and metamorphic rocks, all of pre-Tertiary age. The basement complex is generally impermeable, except for joints and weathered zones that yield water to small springs.

The Martinez Formation of Noble (1954), of Paleocene age, is composed of shale, arkosic sandstone, and conglomerate. These rocks have a low permeability and yield little or no water to wells.

The Vasquez Formation, of Oligocene and probably early Miocene age, is composed of lava flows of pyroxene basalt, andesite, dacite, and rhyolite; and interbedded tuff, ash, and breccia. This formation crops out in two localities within the mapped area, south of Palmdale and south of Littlerock, and in each case lies along the south side of the San Andreas fault zone. These rocks are low in permeability and yield almost no water to wells.

The Punchbowl Formation, of late Miocene and early Pliocene age (T. W. Dibblee, Jr., oral commun., 1965), is composed of sandstone and conglomerate and yields little or no water to wells.

The Anaverde Formation, of early to middle Pliocene age, is composed of moderately consolidated arkosic sandstone and conglomerate, with thin beds of shale along the trace of the San Andreas fault. Faulting has displaced and divided the formation into numerous blocks or compartments. The rocks of this formation have a low permeability and yield small amounts of water to wells.

The unnamed sandstone, probably of Pliocene age, is composed of arkosic sandstone, conglomerate, and reddish siltstone. These rocks crop out in the southeast part of the mapped area, north of the San Andreas fault. They yield little or no water to wells.

The older fan deposits, of Pleistocene age, are composed generally of unconsolidated coarse gravel, mainly of granitic and gneissic detritus. Where these deposits are saturated they yield water to wells.

The older alluvium, of Pleistocene age, underlies most of the valley floor. It consists mainly of poorly sorted gravel, sand, silt, and clay. The older alluvium is oxidized and generally unconsolidated, but in some places it is slightly cemented. This formation is porous and permeable, extends below the water table, yields water freely to wells, and is the most important water-bearing unit in the area.

The younger alluvium, of Recent age, consists of unconsolidated sand with small amounts of gravel, silt, and clay. Deposition is presently taking place on the lower parts of the fans and over the lowland plain. The alluvium is permeable and, where saturated, will yield water to wells. However, in this area, it is nearly everywhere above the water table and therefore is not an important water-bearing unit, although it transmits precipitation and water from the intermittent streams to the ground-water body.

The dune sand, of Recent age, is composed of actively drifting fine to medium sand. The dune sand is everywhere above the water table, but in some places it contains small quantities of perched water.

The playa deposits, of Recent age, are composed of silt, clay, and sandy clay with small amounts of soluble salts. The playa deposits are generally above the water table and are of little or no importance with regard to ground water in the area.

### Recharge and Discharge of Ground Water

Recharge to the ground-water bodies of the area occurs by direct infiltration of rain, from subsurface flow from adjoining areas, and from percolation of infrequent runoff in streams that drain the San Gabriel Mountains. Rainfall on the valley floor averages less than 8 inches annually, but in the surrounding mountains may reach a maximum of about 20 inches per year. The average annual recharge is less than the pumpage; consequently, in excessively pumped areas the water levels have declined. The gradient of the water table, as shown by water-level measurements, suggests that runoff from the San Gabriel Mountains supplies most of the recharge and that the ground water, in general, moves from south to north.

## WELL-NUMBERING SYSTEM

The well-numbering system used in the eastern part of the Antelope Valley area has been used by the Geological Survey in California since 1940. The system has been adopted by the California Department of Water Resources and by the California Water Quality Control Board for use throughout the state.

Wells are assigned numbers according to their location in the rectangular system for the subdivision of public land. For example, in the number 7N/12W-34E1, the part of the number preceding the slash indicates the township (T. 7 N.), the part between the slash and the hyphen is the range (R. 12 W.), the number between the hyphen and the letter indicates the section (sec. 34), and the letter indicates the 40-acre subdivision of the section, as shown in the accompanying diagram.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Within the 40-acre tract the wells are numbered serially as indicated by the final digit. Thus, well 7N/12W-34E1 is the first well to be listed in the SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>, sec. 34, San Bernardino base line and meridian.

The letter Z, substituted for the letter designating the 40-acre tract, indicates that the well was plotted from unverified descriptions; the described locations of such wells were visited, but no evidence of a well could be found.

There are a few exceptions to this system of numbering wells according to their position in the 40-acre subdivision of the section. These are wells, usually having long periods of record, which were assigned numbers based on earlier, less accurate maps. During this investigation, these wells have been plotted at the correct location on the map, but the old number has been retained to facilitate use of the older records for the well.

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FIGURE 1

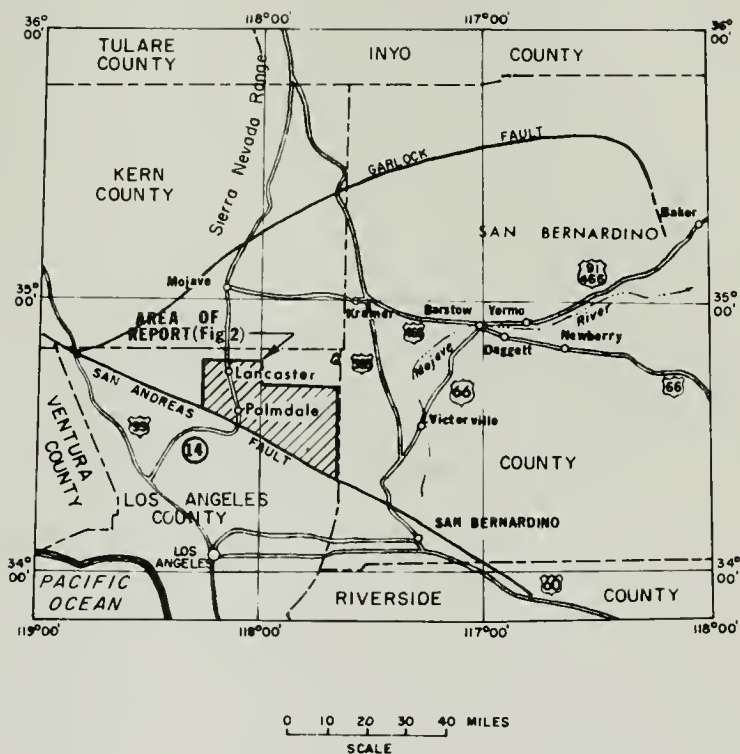


FIGURE 1.-Part of southern California, showing area described in this report



APPENDIX A

TABLE 1. DESCRIPTIONS OF WELLS IN THE EASTERN PART  
OF THE ANTELOPE VALLEY AREA, CALIFORNIA



Table 1.--Descriptions of wells in the eastern part of the Antelope Valley area, California

State well number: The number given is the number assigned to the well according to the method described in the section on the well-numbering system.

Other numbers and source of data: The source of data on each line is indicated by the following

symbols: B Smith (1959); D driller; DWR California Department of Water Resources;  
FC Los Angeles County Flood Control District; GS U.S. Geological Survey; J Johnson (1911);  
M Munger Oilgram; O owner; P pump service contractor; SCE Southern California Edison Co.;  
T Thompson (1929); WRB California Water Rights Board. A number following the letter symbol  
is the well number used by that person or agency. For well numbers assigned by the California  
Department of Water Resources prior to adoption of the uniform state well-numbering system, the  
township and range numbers and letters are omitted and the section and letter are given.

Date of observation: The date given is the date on which the well was visited.

Owner or user: The name given is that of the owner or user of the well on the date indicated. If  
data are given for more than one date, previous owners may be listed.

Year completed: The completion date was obtained from the driller's log or reported by the owner  
or others.

Depth: Depths of wells given in whole feet were reported by owners, drillers or others; where a logged well (table 4) was not cased for the full drilled depth, the reported depth is the depth of the bottom of the casing; depths given in feet and tenths of a foot were measured below land-surface datum by the Geological Survey or others as indicated.

Type and diameter: The type of well construction is indicated by the following symbols: A auger; C cable tool; D dug by hand; R rotary. The number following the letter is the diameter of the casing or pit, in inches. For an unsymmetrically dug well, only the maximum dimension is given. The symbol N indicates no casing visible at surface.

Type of pump and power: The pump type or method of lift is indicated as follows: A air lift; C centrifugal; J jet; L lift; N none; S submersible; Si siphon; T turbine. The type of power is indicated as follows: D diesel; E electric motor of undetermined horsepower (a number in this column indicates the rated horsepower of an electric motor); G gasoline engine; Gr gravity; H hand operated; N none; S steam engine; W windmill.

Yield: The yield or output of the pump, in gallons per minute, as reported by the Southern California Edison Co., owners, or drillers. It is not necessarily the maximum capacity of the well or installed pump.



Use: The use of the well is indicated by the following symbols: Dm domestic; Ds destroyed or dry; In industrial; Ir irrigation; O observation; Ps public supply; RR railroad; S stock; T test hole; Un unused.

Measuring point: The point from which water-level measurements are made is described as follows:

Bhc bottom of hole in casing; Bpb bottom of pump base; Hpb hole in pump base; Ls land surface; Na no access either to or into the well; Tap top of access pipe; Tc top of casing; Tcc top of casing cover; Tf top of flange; Tpb top of pump base. The distance of the measuring point above or below (-) land-surface datum is given in feet, tenths of a foot, and sometimes hundredths of a foot. All measurements listed in table 1 are from the same measuring point unless otherwise indicated in the column for measuring points.

Altitude: The figure given indicates the altitude, in feet above mean sea level, of the land-surface datum. Land-surface datum is an arbitrary plane that closely approximates land surface at the time of the first measurement and is the fixed plane of reference for all subsequent measurements. Altitudes, given in whole feet, were interpolated from Geological Survey topographic maps having 5-, 25-, and 40-foot contour intervals. Altitudes, given to the nearest tenth or hundredth of a foot, were taken from Los Angeles County Flood Control District data.

Water level: Measured depths to water are given in feet, tenths of a foot, and hundredths of a foot, or feet and tenths of a foot; reported or approximate depths to water are given in whole feet. The distance between land-surface datum and the measuring point has been subtracted from or added to the measured water level. Thus, all water levels are referenced to land-surface datum. Water levels with a plus (+) symbol are those above land-surface datum.

Other data: C chemical analyses of water are given in table 5; E electric log of well in files of the Geological Survey; L driller's log of well is given in table 4; P pumping test data are given in table 3; W additional water-level measurements are given in table 2.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 3 N., R. 8 W.													
3N/8W-3A1	GS	4-20-64				36	L E		Dm	Tc 0	6,595	0.03	
T. 4 N., R. 8 W.													
4N/8W-5H1	GS	4-16-64			(j)	12	N N		Un	Tc 1.3	3,900	(j)	
7K1	GS	4-16-64	Richard A. Carlyon	1950	473	12	S 4		Dm	Tap 1.0	4,400	380.40	L
	D	3-19-50				R						267	
7R1	GS	4-16-64	Earl Stoner			12	S E		Un	Tcc 2.0	4,307	120.03	
7R2	GS	4-16-64	Earl Stoner			14	S E		Un	Tcc 1.0	4,292	106.96	
15Q1	GS	4-15-64	Tom Buchanan	1935	41.4	C 10	N N		Un	Tc .3	4,560	22.94	
18H1	GS	4-16-64	Earl Stoner		192	12	S 2		Dm	Tcc 2.0	4,470	71.85	
19I1	GS	4-17-64				8	L W		Dm	Tap .5	5,355	63.25	
24M1	GS	4-15-64	Tom Buchanan		227	C 6	L E		Dm	Hpb 0	4,600	1.50	C
24M2	GS	4-15-64	Tom Buchanan	1962	108	C 8	N N		Un	Tc .9	4,620	0	
30R1	GS	4-17-64	All Nations Camp	1950	64	C	T 2	25	Dm	Tap 3.0	5,580	12.49	L,P
	D	4-4-50											
32C1	GS	4-17-64	Twin Valley Camp			8	S E		Dm	Tap 0	5,835	16.86	
T. 4 N., R. 9 W.													
4N/9W-6A1	GS	4-21-64				20	T 20		Ps	Bhc 5.0	3,468	cl.40	W
	FC-7743A	7-21-55	Big Rock Ranch Co.		60.5								
6A2	GS	4-21-64	Big Rock Ranch Co.		57	20	T N		Un	Tc 6.0	3,464	c5.28	W
	FC-7743B												
6A3	GS	4-21-64			0	N	N N		Ds	Tc 7.0	3,465		W
	FC-7743C	11-8-51	Big Rock Ranch Co.		74	20	T 50						
6B1	GS	4-21-64	Big Rock Ranch Co.		46	20	T 50		Ps	Bhc 5.0	3,473	5.96	W
	FC-7743	11-8-51											
6C1	GS	4-21-64	Crystalline Estates	1951	95	20	T N		Un	Tc 3.5	3,493	5.05	L,W
	D	7-20-51	Big Rock Ranch Co.		88.0								
	FC-7733B	3-21-55											

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 4 N., R. 9 W.--Continued														
4N/9W-64L	GS	4-22-64			20	D 48	N N		Un	Tc	-1.5	3,593	7.68	W
7B1	GS	4-22-64	Los Angeles County Fire Sta. No. 79			10	T 2		Dm	Na		3,596	10.8	
	FC	6-18-57			123.8		N N		Un	Bpb	.5		11.4	
	FC	7-16-57											9.38	
	FC	4-22-58											16.5	
	FC	5-10-61												
7Q1	GS	4-22-64	D. E. Noble		100	8	S E		Ir	Bhc	.5	3,755	8.70	
8M1	GS	4-22-64	U.S. Forest Service	1961	150	8	S E	20	Dm	Tap	1.5	3,730	55.93	L
	D	8-22-61											59	
9E1	GS	4-23-64	Crane	1946	140	8	L W		Un	Tcc	1.0	3,795	80.23	L, W
	D	1946				8								
9M1	GS	4-23-64	Mountain Brook Ranch	1958	150	14	T 15		Ir	Tap	1.0	3,800	82.72	L, W
9N1	GS	4-23-64	Mountain Brook Ranch			16	T 2		Dm	Na		3,845	60	L, W
	FC	8-17-46		1946	140									
	FC-7765A	9-21-55		1956	s201		T 15							
	FC	7-23-56												
9N2	GS	4-23-64	Mountain Brook Ranch	1950	209	14	T N		Un	Tap	.3	3,845	70.70	L, W
9N3	GS	4-23-64	Mountain Brook Ranch	1957	157	14	T 15	250	Ir	Tap	1.0	3,834	54.20	L, W
	SCE	10-16-57												
9N4	GS	4-23-64	Mountain Brook Ranch		160	14	T 60		Ir	Tap	1.0	3,831	52.22	L, W
9P1	GS	4-23-64	Mountain Brook Ranch	1957	200	14	N N		Un	Tap	.5	3,845	71.09	L, W
	FC-7765C	7-16-57					T 25		Ir	Tc	1.0			
9R1	GS	4-29-64	David E. Anderson	1936	325	C 9	S 1		Dm	Tcc	1.3	4,145	208.97	
	FC-7785C	10-4-50					N N		Un	Tc	1.3		141.05	
	FC	2-16-61											138.05	
	FC	6-29-61											156.87	
9R2	GS	4-29-64	H. G. Church	1963	290	C 8	S 2		Dm	Tap	1.0	4,080	(a)	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 4 N., R. 9 W.--Continued														
4N/9W-10L1	GS D FC-7785E	4-29-64 6-10-50 6-28-51	Neas Laszloffy	1950	249	C 8	T N		Un	Bpb 1.0		4,145	207.70 134 159.78	L
10L2	GS FC-7785D	4-29-64 1-17-56	Krystosiak & Fogel M. F. Mitchell		237	12	S E	90	Dm Dm	Tap 1.0		4,175	(a)	
10M1	GS FC-7785A DWR	4-29-64 2- 6-50	Wallace M. F. Mitchell	1948	400 406	R 14	T 40 T 40		Ps	Na Bpb 1.4		4,120	79.3	C,W
10M2	GS FC-7785 FC FC FC	4-29-64 7-13-49 2- 6-50 2-16-51 6-27-51	Krystosiak & Fogel Krystosiak	1946	416	12	S E	450	Ir	Na Bpb 1.0		4,115	76.5 78.5 el26.2 el36.4	L
10M3	GS	4-29-64	Krystosiak & Fogel			8	L W		Ds			4,120	dry	
10P1	GS FC-7785B FC FC FC	4-29-64 7-13-49 10- 4-50 2-16-51 6-20-51	William Ross		194.0 207	8	N N L W		Ds	Tc 2.0		4,175	dry 136.3 158.2 164.0 181.65	
10P2	GS	4-29-64	William Ross	1957	360	C 10	S E		Dm	Tcc 1.5		4,165	214.27	
11J1	GS D	4-23-64 7-19-60	Gordon Lackertbie	1960	410	C 8	L G	25	Dm	Tap 1.0		4,400	(e) 320	L
14D1	GS D	4-23-64 9-26-56	John Coffeen	1956	265	10	L W		Dm	Tap 1.5		4,330	201.10 f198	L
24A1	GS	4-17-64				14	T 2		Dm	Tap 1.0		4,750	28.63	
T. 4 N., R. 10 W.														
4N/10W-1G1	GS	3-18-64	A. H. Swan	1946	300	R 8	S 3/4		Dm	Tap 2.0		3,735	b241.05	
2Q1	GS DWR DWR DWR	3-19-64 11-20-56 10-21-59 11-16-61	W. A. Crockett		158		T E	400	Ir	Tap 1.5		3,820	(a) 53.6 51.9 83.5	

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State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 4 N., R. 10 W.--Continued														
4N/10W-11A1	CS O	4-22-64 1950	St. Andrews Priory	1950	350	12	T 15	450	Ps	Tap	1.0	3,800	(a)	P
11A2	CS FC-7704C D	4-22-64 7-12-50 6----50	St. Andrews Priory	1950	175	12	T E T G	350	Dm	Tc	1.0	3,810	23.63	C, P, W
T. 5 N., R. 8 W.														
5N/8W-1F1	CS	4-10-64			175.0	10	N N		Ds	Tc	0	3,091	dry	
13R1	CS DMR	4-13-64 5- 5-61	Leigh Emerson	1961	400	C 8	S 5	15	Dm	Tcc	0	3,269	340.12 335	C
20P1	CS FC-9059	4-13-64 11- 7-51				12			Dm	Na Tcc	0	3,371	405.12	
25H1	CS DMR-25A FC-7930	4-14-64 11-12-51 11-15-51	Unhaul Water Co.		500	12	G G		Ps Dm	Na Tc	1.0	3,445	486.63	
28P1	CS	4-13-64				12	N N		Un	Bpb	.5	3,480	(g)	
T. 5 N., R. 9 W.														
5N/9W-2D1	CS	5- 6-64	R. Grant	1963	286	C 8	S E		Dm	Tcc	1.0	2,865	147.45	
2E1	CS	5- 6-64	Leadbetter			8	L W		Dm	Bpb	.7	2,900	(a)	W
4E1	CS D	5- 6-64 8-24-55	C. Hall Louis Upshaw	1955	315	C 10	S E	540	Dm	Tap	1.0	2,881	(a) 90	L, P
4P1	CS	5- 6-64	C. Carter	1955	197	C 10	J E		Dm	Tcc	1.0	2,882	128.89	W
4L1	CS	5- 6-64	R. T. Griffith	1963		C 8	S 3		Dm	Tcc	1.5	2,900	142.23	
4N1	CS	5- 6-64	Walter Ellis			12	S E		Ir	Tcc	1.0	2,920	146.48	
5C1	CS	5- 5-64				R 14	T 40		Ir	Bpb	0	2,871	(c)	
5E1	CS FC-8954 FC FC	5- 5-64 3- 8-55 10-26-55 11-17-58			400	14 14	T 40 T 40		Ir	Bhc Hpb	1.3 2.0	2,878	(a) 82.25 92.4 96.7	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 5 N., R. 9 W.--Continued														
5N/9W-5E2	GS	5- 5-64				R	T 75		Ir			2,866	(a)	
5R1	GS	5- 5-64	J. F. Lyons	1959	160	C 8	J 1½		Dm	Tc	0.6	2,915	138.30	
	DWR-5A	11-14-51		1947	135								109.55	
5R2	GS	5- 5-64	Cotton		143.7	9	N N		Un	Tc	1.3	2,908	137.04	
5R3	GS	5- 5-64	T. Washington	1954	202	8	S E		Dm	Tap	1.0	2,904	136.55	L
	D	1954											f105	
6B1	GS	5- 5-64	N. D. Reitzke	1940	98	12	J 2	585	Dm	Tc	1.25	2,846	(a)	W
6B2	GS	5- 5-64	N. D. Reitzke	1962	508	R 13	T G	600	Ir	Hpb	1.0	2,844	84.99	P
	D	11-11-62												
6C1	GS	5- 5-64	H. K. Schleusner			8	J E		Dm	Tc	1.0	2,833	(c)	
6C2	GS	5- 5-64				8	N N		Un	Tcc	1.0	2,832	59.96	
6E1	GS	5- 5-64			0	D 60	N N		Ds	Ls	0	2,845	dry	
	FC-8934A	11- 6-51			40	60							dry	
8R1	GS	5- 6-64				10	N N		Un	Tc	1.0	3,000	183.49	
9E1	GS	5- 7-64	Llano Farms Mutual Water Co.				T E		Ps	Na		2,937	(a)	
9M1	GS	5- 7-64	Henry Geter	1961	225	R 6	N N		Un	Tc	.5	2,963	178.59	L
17A1	GS	5- 6-64	Tom Coldwell	1963	340	8	S E		Dm	Tap	1.0	3,022	192.39	
20J1	GS	5- 8-64	L. M. Nixon	1926	249.5	10	N N		Ds	Tc	0'	3,166	dry	C,I,W
	D	1926			280		W							
	GS	5-17-55	J. N. Petino		274.2		N N		Un				272.34	
20K1	GS	5- 8-64		1951	286	10	L N		Un	Tc	.3	3,178	246.12	C,W
20L1	GS	5- 8-64	Willette Oil Co.,	1948	0	13	N N		Un	Tap	6.0	3,175		
	B	12-12-39	Virginia Lee No. 1	3,798					T					
21D1	GS	5- 7-64				8	S E		Dm	Na		3,128		
21D2	GS	5- 7-64				8	N N		Un	Tc	1.0	3,123	265.47	
21E1	GS	5- 8-64			350	8	S E		Dm	Na		3,141		

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State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point	Altitude of lsd (feet)	Water level below lsd (feet)	Other data	
														Distance above or below lsd (feet)
T. 5 N., R. 9 W.--Continued														
5N/9W-21F1	GS	5-8-64	L. T. McRenalds	1959	400	C 8	S E		Dm	Tap	1.0	3,174	364.50	
21J1	GS	5-13-64	Manning	1940	118	D 60	N N		Ds	Tc	2.5	3,204	dry	L,W
	FC-8989	9-12-40	G. P. Massey				N N		Dm				111.85	
21J2	GS	5-13-64	Manning		6.0	N 12	N N		Ds	Bpb	3.0	3,204	dry	
	O	--	G. P. Massey		308				Ds	Bpb	3.0		dry	
21J3	GS	5-13-64	Manning		315.0	6	N N		Ds	Tc	1.0	3,212	dry	
	FC-8989B	11-8-51			331.9				Dm	Tap	1.11		304.70	
22R1	GS	5-7-64			217.0	10	N N		Ds	Tc	2.0	3,279	dry	
24P1	GS	5-14-64	Mrs. Emma Norman	1959	750				Dm	Na		3,373	326.0	L,P
	FC-9029	1-28-59							Dm	Tap	1.0		326.6	
	FC	4-28-59								Tap	1.0		327	
	D	1-28-59						164						
25A1	GS	5-14-64	Llano Lumber Co.	1956	542	8	L 2		Dm	Na		3,417	494	C,L
	D	1-28-56			542	8	L		Dm	Tc	1.0		473.2	
	FC-7830	11-26-56											(e)	W
26C1	GS	5-14-64			700	6	L G		Dm	Na		3,354		W
26D1	GS	5-14-64	Fred Winch		635	10			Dm	Na		3,313	321.7	W
	FC-7800	10-26-55							Dm	Tc	1.5			
28A1	GS	5-13-64	Crystallaire Estates	1924	180	D 48	N N		Ds	Na		3,296		L
	DWR	11-4-41	Paul Lecher		132	D	L G			Tc	1.0		123.1	
	GS	11-4-47	R. C. Wiess										123.6	
	GS	11-8-48											dry	
	GS	11-5-51												
28A2	GS	5-13-64	Crystallaire Estates		184.0	8	L W		Ds	Tc	1.0	3,294	dry	
	FC-7780A	11-7-51			194								178.01	
	FC-7780B	5-31-55												
29P1	GS	5-11-64	Crystallaire Estates	1950	5.5	8	N N		Ds	Tc	.5	3,320	dry	L
	D	7-16-50	Helen Bard		73	C		250					33	
30N1	GS	5-11-64	Mrs. Emma Norman	1959	116	12			Dm	Na		3,310	56	L
	D	1959											56.0	
	FC-7731A	2-18-59							Dm	Tap	2.0		56.8	
	FC	4-28-59											58.3	
	FC	8-24-59												

See footnotes at end of table.



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										Description	Distance above or below lsd (feet)			
T. 5 N., R. 9 W.--Continued														
5N/9W-31C1	GS	5-11-64			74	8			Un	Na		3,380	18.03	
	DWR-31A	11- 8-51							Dm	Tc	0.5			
31J1	GS	4-21-64	Big Rock Ranch Co.		120	14	N N	100	Un	Tc	2.0	3,432	13.84	W
	FC-7742A	2- 8-51							Ir					
31R1	GS	4-21-64	Rock Creek Mutual				T E		Ps	Tc	3.0	3,433	(a)	W
	DWR-31B	11- 7-51	Water Co.										30.50	
31R2	GS	5-11-64	Crystalline Estates		40.0	14	N N		Un	Tc	1.0	3,430	17.29	W
	FC-7742B	2- 8-51	Big Rock Ranch Co.		73.0		N N							
33R1	GS	4-30-64				12	L N		Un	Tc	1.0	3,694	254.08	
34D1	GS	5-11-64		1955	438.0	8	N N		Un	Tc	2.0	3,430	(i)	W
	FC-7781	10-26-55			500		N N		Un				424.6	
T. 5 N., R. 10 W.														
5N/10W-2K1	GS	1-13-64			49.3	10	N N		Ds	Tc	1.0	2,832	dry	
3L1	GS	12-10-63	Little Rock Farms			8	T 3		Ps	Tap	1.0	2,802	89.29	
	0	1961											90	
3N1	GS	1- 7-64	Great Western			8	S 3		Ps	Tap	.5	2,807	148.52	
			Land Co.		250								85	
4R1	GS	7-12-62	Great Western			8	S 3		Dm	Na		2,811		C,W
		1-10-64	Land Co., Well 5											
5R1	GS	1-14-64	Cleveland			16	T 75		Ps	Tap	1.7	2,803	122.30	L,P,W
			Los Angeles County											
			Waterworks Dist.											
	D	4-----30	No. 27	1930	412			900						
6N1	GS	1- 7-64	Little Rock			14	N N		Un	Tap	.2	2,777	123.39	W
	FC-8825	5- 1-38	Irr. Dist.	1926						Bpb	0			
7E1	GS	1-14-64	Los Angeles County	1928	518	16	T E		Ps	Is	0	2,815	118	L,P,W
			Waterworks Dist.											
	P	6- 7-57	No. 27					1,000						

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above lsd (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 5 N., R. 10 W.--Continued													
5N/10W-7F1	GS FC-8836 FC	1-8-64 7-31-56 10-23-59	M. A. Connell	1956	220 201	R 6	N N J E	25	Ds Dm	Tc 0.5	2,831	167.40	L
7F1	GS P	1-8-64 6-3-57	Los Angeles County Waterworks Dist. No. 27	1928	625	16	T 110	1,000	Ps	Bpb 2.0	2,873	(h)	L, P, W
7R1	GS SCE	1-14-64 4-12-62	Los Angeles County Waterworks Dist. No. 27	1928	550	C 16	T 75	611	Ps	Ls 0	2,892	b x245	L, P, W
10E1	GS SCE	1-14-64 4-11-62	Los Angeles County Waterworks Dist. No. 24	1960	258	C 14	T 50	278	Ps	Ls 0	2,835	c x121	L, P, W
10E2	GS SCE	1-14-64 4-11-62	Los Angeles County Waterworks Dist. No. 24	1959	406	C 14	T 50	278	Ps	Ls 0	2,831	a x161	L, P, W
12B1	GS FC-8925 FC	1-13-64 3-28-40 11-5-51	E. Sonner	1935	90 55	D 48	N N L G		Ds Dm	Bpb .4	2,884	dry 64.9	W
12L1	GS O	1-22-64 1963	D. Moe	1958	152		L E		Dm	Na	2,926	90	
12X1	GS O	1-20-64 1959	R. E. Kimberlin	1959	143	R 8	L W		Dm Dm	Na	2,904	92	
12P1	GS O	1-21-64 1963	Liddel	1955	165	6	L W		Dm Dm	Tc .8	2,955	123.70 135	
13E1	GS DWR-14A	1-13-64 11-6-51			45 45.0	7	N N		Ds	Tc 0	2,985	dry dry	
14Z1	GS	1-13-64 5-7-59	Los Angeles County Waterworks Dist. No. 24	1959	0 m700	R	N N		Ds Ds		2,980	dry	L
15H1	GS FC-8897 FC	1-13-64 4-15-47 4-20-47	S. F. Chambers	1947	150	6	L W T G	198	Un Ir	Tc 0 Ls 0	2,926	148.85 106 105.95	L
15J1	GS	1-13-64				12	T 1		Dm		2,929	(h)	
15L1	GS D DWR-15A	1-14-64 1934 11-15-51	Carrol Herbert Morton	1934	2.0 185	10	N N L G	40	Ds Dm		2,945	f115 130.34	
15Q1	GS	1-13-64				6	N N		Un	Na	2,960		

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 5 N., R. 10 W.--Continued														
5N/10W-16A1	GS	1- 9-64	M. Jackson	1954		8	S 1		Dm	Tc	0.8	2,905	139.10	
16A2	GS	1- 9-64	Cleveland Clayton	1964			L W		Dm	Na		2,905		
16C1	GS	1- 8-64	N. T. Harrison	1963	101		N N		Ds			2,915	dry	
16C2	GS	1- 8-64	N. T. Harrison	1961	0		N N		Ds			2,915		
16F1	GS	1- 9-64	G. McClain	1948	290	6	L W		Dm	Tc	.6	2,968	194.53	
16G1	GS	1- 9-64	R. Williams	1951	190	8	L W		Dm	Na		2,953	150	L
	D	11-10-51				C 8								
16G2	GS	1- 9-64	F. Hawkins			8	S 2		Dm	Tc	0	2,955	e194.30	
16G3	GS	1- 9-64	F. Hawkins				N N		Ds			2,955	dry	
16J1	GS	1-10-64	D. Erskine	1948	235	10	S 3		Dm	Tc	.6	2,947	158.99	
16K1	GS	1- 9-64	G. Favrot	1953	240	8	S 1		Dm	Tc	.6	2,970	193.75	
16L1	GS	1- 9-64	Finley	1957	300	6	S 1		Dm	Tc	.8	2,977	198.25	
16L2	GS	1- 9-64	Finley	1963	330	6	S 1		Dm	Tc	.9	2,977	199.11	
16P1	GS	1-10-64	Little Alpine Tavern			8	S 1		Dm	Tc	.3	3,023	257.7	L
16P2	GS	1-10-64		1954	48	12	N N		Ds			3,020		
	D	9- 5-54	C. G. Garmon			C 12								
16P3	GS	1-14-64			287	8	S 1		Dm	Tap	.6	3,010	241.21	
16Q1	GS	1-10-64	B-M Ranch						Dm	Na		3,000		
17L1	GS	1- 9-64	Ray Stockton	1960	370	8	N N		Un	Tc	1.0	2,955	174.57	L
	FC-8857	4-19-60				R 8							166.6	
17R1	GS	1- 9-64				14	N N		Un	Tap	1.5	3,032	249.02	
18G1	GS	1- 8-64	J. C. Embree	1956	203.1	12	N N		Ds	Bhc	0	2,902	dry	L
	D	12- 7-56			525	R 12							245	
19Z1	GS	1-15-64	Los Angeles County	1958	m432	R N	N N		Ds			3,152		L
	D	11-25-58	Waterworks Dist. No. 24											
20A1	GS	1-17-64	L. A. Powell	1956	400	6	L W		Dm	Na		3,046.5		
	FC-8858	9-12-56				6	L		Dm	Tc	1.5			

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) lsd (feet)			
T. 5 N., R. 10 W.--Continued														
5W/10W-21H1	GS D	1-15-64 6-15-54	E. E. Debs	1954	96	12 C	S E	12	Dm	Tc	1.1	3,071	62.90 45	L,P
21H2	GS	1-15-64	E. E. Debs			12	N N		Un	Tc	1.6	3,066	63.4	
21J1	GS	3-11-64			0		N N		Ds					
FC-8879		3-29-45			35	18	N N		Un	Bpb	1.0	3,078	21.0	W
21J2	GS	3-11-64	H. J. Hammond			D 48	J 2		Dm	Tc	.5	3,088	26.04	W
	T-144	1920	Cramp & Berry		30	D 48	L W							
FC-8879A		11-27-53			30									
21J3	GS	3-11-64				8	J N		Un	Tc	1.0	3,088	27.05	
21Q1	GS	3-12-64				12	N N		Un	Na		3,195		
22Z1	GS D	1-16-64				8	N N		Ds			3,080	34	
FC-8889		1935 1940	J. W. Timmons	1935	66.5	8	L G	3.5	Dm					
23F1	GS	1-15-64				N 10	N N		Ds	Tc	1.0	3,040	131.3	W
FC-8909		3-29-40							Un					
23L1	GS	1-15-64				8	T 10		Dm	Tap	.9	3,085	97.47	
DWR-23F		11- 5-51				8			Un	Tc	1.0		71.74	
23M1	GS	1-15-64	Cottonwood Cafe			8	N N		Un	Tec	1.0	3,050	169.60	
FC-8899B		1949	Cottonwood Grove		205	8		27	Dm				90	
23W1	GS D	2- 9-65 5- 9-59	Los Angeles County		0	N	N N		Ds			3,129		E
			Waterworks Dist. No. 24		m700		N N		Un					
23W2	GS	1-15-64				14	N N		Un	Tc	1.15	3,125	77.02	
DWR-23D		11- 5-51				14			Un	Tap	1.29		72.27	
23W3	GS	1-15-64	Chase			16	N N		Un	Tc	1.2	3,129	74.11	L
FC-8899A		9-12-40		1927	128	16	T E						f38.8	
23Z1	GS D	1-15-64					N N		Ds			3,087	70	L
		1948							Un	Tc	1.0		48.99	
FC-8899C		11-28-51	C. A. Horn	1948	307	14	N N		Un					
23Z2	GS	1-15-64				8	N N		Ds			3,088		
DWR-23E		11- 5-51							Un	Tc	1.0		48.77	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Oscillation Distance above or below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 5 N., R. 10 W.--Continued													
5N/10W-2323	GS 1-20-64 FC-8909A 7-7-49 FC 11-30-49 FC 11-27-51	1-20-64 7-7-49 11-30-49 11-27-51	C. A. Horn	1948	136	8	N N		Ds	Tc 0.5	3,090	69.68 70.2 72.98	L
2324	GS 1-20-64 D 1920 FC-8899 9-12-40	1-20-64 1920 9-12-40	G. C. Chase	1920	68	10	T E		Ds		3,098	38 (a)	C, L
2421	GS 1-15-64 FC-7710 12-3-47 FC 11-5-51	1-15-64 12-3-47 11-5-51				10	N N N N N N		Ds Un	Tc .5	3,133	85.35 175.58	
26B1	GS 1-26-64 FC-7700 9-13-40	1-26-64 9-13-40	R. J. Darling		86.5	10	J E		Dm	Na Tc 0	3,155	49.6	W
26B2	GS 1-21-64	1-21-64	J. Johnson			6	J E		Dm	Tc .1	3,175	64.84	
26B3	GS 1-21-64 D 8-9-50	1-21-64 8-9-50	McCollister C. McCollister	1950	115	12 C 12	N N N N		Un Dm	Tc .05	3,175	65.07 43	L
26B4	GS 1-21-64	1-21-64				6	J E		Dm	Na	3,167		
26B5	GS 1-21-64	1-21-64	F. Yaple		115	12	T 1		Dm	Tc .6	3,185	64.30	
26B6	GS 1-21-64	1-21-64	Johnson				L 1		Un	Tc 1.0	3,190	64.03	
26B7	GS 1-21-64	1-21-64	Mt. View Ranch		90	12	L E		Un	Tap .6	3,183	54.07	
26B8	GS 1-21-64	1-21-64	Mt. View Ranch		120	12	T 1½		Un	Bhc .2	3,184	54.53	
26F1	GS 3-11-64	3-11-64			78.5	8	N N		Un	Tc 2.5	3,250	58.74	
26G1	GS 1-22-64 FC-7700B 11-5-51	1-22-64 11-5-51	Neff Ziger	1950	175	12 12	L 1 L		Un Dm	Tap .8	3,248.2	64.92	W
26G2	GS 1-22-64 FC-7700A 11-5-51	1-22-64 11-5-51	E. Welch	1950	104 88	6	L 1		Dm Dm	Tap .6	3,237	54.83 46.14	
26G3	GS 1-22-64	1-22-64	Gardner				T 5		Dm	Hpb .6	3,225	56.49	
26G4	GS 1-22-64 D 9-2-50	1-22-64 9-2-50	G. L. Wadsworth	1950	175	C 10	L W		Dm	Tap .6	3,246	42.51 135	L
26G5	GS 1-22-64	1-22-64	G. L. Wadsworth		80	6	L E		Dm	Na	3,251		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) lsd (feet)			
T. 5 N., R. 10 W.--Continued														
5N/10W-26H	GS	1-21-64	Watson			4	L E		Un	Na		3,200		
26J1	GS	3-10-64	J. Tomilowicz		108	12	L E		Dm	Tc	0.5	3,252	(a)	
	FC-7700C	11-5-51				12		17	Dm				56.17	
26K1	GS	1-23-64	C. A. Shields	1948	80	12	J 1		Un	Tc	1.0	3,317	66.66	
	DWR	11-4-51				12	J 1	18	Dm				59.80	
26K2	GS	1-23-64	J. W. Martin	1950		6	J 3/4		Un			3,250	(h)	
26K3	GS	1-23-64	N. Miller				L 1		Dm	Na		3,265		
26L1	GS	3-11-64	D. A. Smith				L N		Un	Na		3,278		
26L2	GS	3-11-64				6	J 1		Un	Bpb	3.0	3,289	53.47	
26F1	GS	3-11-64		1950	210	8	N N		Un	Tc	.9	3,368.1	56.78	C
	DWR-26B	11-4-51	Cramer			8	S E		Dm				65.43	
26Q1	GS	3-11-64			120	8	J 1		Un	Tc	.5	3,335.5	66.35	
	DWR-26E	4-11-51				8			Dm				62.55	
26Q2	GS	3-10-64	Thomas			8	J 1		Un	Tc	1.0	3,335	67.86	
	DWR-26D	4-11-51				8			Dm				61.85	
27A1	GS	3-11-64					L E		Un	Na		3,192		
28H1	GS	3-11-64				10	N N		Un	Tc	1.0	3,335	80.05	
29C1	GS	3-12-64	Hier				L W		Dm	Tap	1.0	3,187	(e)	
29J1	GS	3-12-64	Roger Riddlesbarger		101.5	12	N N		Ds	Tcc	2.0	3,279	dry	W
	FC-7650	9-13-53	R. A. Pardee		110	12	N N		Un				94.5	
29K1	GS	3-12-64	Mrs. Stahl	1953	185	R	L E		Dm	Tap	.5	3,265	93.39	
	FC-7650A	9-13-53	W. L. Stahl				L E		Dm				92.25	
	FC	12-15-53											93.75	
29K2	GS	3-12-64	Alma Peterson		120	6			Dm	Na		3,275		W
	D	1951												
	FC-7650B	9-13-53	Emil Peterson	1951	150	6	N N			Tc	1.0		93.72	
29K3	GS	3-12-64	Alma Peterson			6	L W		Dm	Na		3,275		
29K4	GS	3-12-64	R. M. Aiken	1958	150	R 8	S E		Dm	Tap	1.3	3,304	110.30	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of Isd (feet)	Water level below Isd (feet)	Other data
T. 5 N., R. 10 W.--Continued													
5N/10W-29R1	GS	3-12-64	Roger Riddlebarger			6	L W		Dm	Tc 0.3	3,340	145.33	
33G1	GS	3-17-64				8	S E		Dm	Tap 1.0	3,420	170.62	
33J1	GS	3-17-64			155.3	8	N N		Ds	Tc 1.5	3,495	dry	
33L1	GS	3-17-64		1964	150.5	C 10	N N		Un	Tc 2.0	3,583	118.04	
33L2	GS	3-17-64				8	L W		Dm	Tc 3.0	3,525	13.83	
33M1	GS	3-17-64	Lloyd Carpenter		70	4	L W		Dm		3,589	(a) 60	
34B1	GS	3-18-64	E. Andrews				L N		Un	Tap .3	3,465	116.05	
34B2	GS	3-18-64					S E		Dm	Tc -1.0	3,460	53.27	
34K1	GS	3-18-64				8	S E		Dm	Tc .3	3,517	156.06	
FC-7682		6-27-49	John Lanahan	1949	281		L G					152.6	
34N1	GS	3-17-64				D 48	N N		Un	Tc 1.0	3,551	31.17	W
FC-7682A		7-23-49	Carl Johnson	1928	60	D 48	Si Gr		Dm				
34P1	GS	3-18-64	E. Andrews	1955	346	6	S E		Dm	Tc 1.0	3,552	151.61	L, W
FC-7682B		10-28-57			346	6	J E						
36A1	GS	3-18-64				11	J E		Dm	Tec 1.1	3,419.1	37.20	
FC-7721		6-11-51							Dm	Tc 1.1		34.77	
36A2	GS	3-18-64	D. Smith	1947	80	8			Dm	Na	3,400	34.80	
FC-7721A		11- 6-51	Smith						Dm	Tc 1.0			
T. 5 N., R. 11 W.													
5N/11W-1D1	GS	11-21-63	Arrow Road Const. Co.			12	T 20		In	Tc .5	2,720	105.3	
WRB	WRB	6-10-56	Arrow Sand and Gravel Co., Well 2	1946	220	12	T 15	210				896.0	
1D2	GS	11-21-63	Arrow Road Const. Co.			12	T 75		Un	Tap .2	2,722	149.8	
WRB	WRB	1-12-56	Arrow Sand and Gravel Co., Well 3	1956	572		T 75	450				al92	
1M1	GS	12- 6-63	Peter Kiewit & Sons Co.	1955	392	14	N N	400	Un	Tc 1.5	2,738.5	109.70	L, P
D	D	6- 1-55	Peter Kiewit & Sons Co.			14							
FC-8804		9-18-57	Peter Kiewit Rock Plant			14	N N					119.8	

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) (feet)			
T. 5 N., R. 11 W.--Continued														
5N/11W-121	GS D FC-8815	12-10-63 4-52 7-31-56	Little Rock Irr. Dist.	1952	0 276 276	N 14 N	N N N		Ds			2,768	100	L
2Q1	GS D WRB	12- 3-63 9-45 1956	John M. Ferry Rock Plant John M. Ferry Rock Plant, Well 1	1945	323 255	12 C 12	T 75 T 75	500	In	Bpb 0		2,770	(a) 100 137.5	L
3N1	GS	12- 3-63				12	S 75		Ir	Tcc .6		2,755	166.84	
3N2	GS	12- 3-63				8	L W		Dm			2,753	(h)	
4C1	GS	12- 3-63			0	10	N N		Ds	Tc .8		2,696		
4E1	GS FC-8754 WRB	12- 4-63 11-26-41 6-16-54	Sam Yellen	1928	400	10 10	T N T E T 40		Un	Hpb .4		2,694.6	165.25	C,W
4E2	GS FC-8764 WRB	12- 3-63 11-26-41 6-16-54	Sam Yellen	1926	400		N N T E T 40	319	Ir	Hpb 0		2,713	149.84	W
4E3	GS FC-8754C FC FC	12- 4-63 11-15-49 12-11-51 11-28-52	E. Comerford			8	S 5 T G		Dm	Tap 1.2		2,711	164.96 150.7 160.85 164.35	
4E4	GS	12- 4-63	Dr. Freeman			10	T 10		Ir	Tc .2		2,704	173.93	
4N1	GS D FC-8755A	12- 4-63 1-10-46 2-47	Strausberg L. C. Whitney	1946	400 400	C 8 C 8		360	Dm	Na		2,752	fl83	L
4P1	GS FC-8755	12- 3-63 9-13-40	Coffee Bank of America		378	16	T G T G		Ir Un	Na Tc .2		2,722	153.35	W
4P2	GS	12- 3-63	Great Western Land Co., Well 3		385	18	T 70	350	Un	Tc 0		2,735	e193.25	
4P3	GS	12- 4-63	W. Doran				T E		Ir	Na		2,738		
4R1	GS FC-8775A	12- 3-63 9-13-40	J. Martin	1916	375		T 10 T E		Ir Un	Na Hpb .5		2,756	153.4	W
4R2	GS FC-8765 D	12-10-63 11-23-49 11-24-49	Great Western Land Co. Homer Adams	1949	300 300 300	10 12 C 10	N N N N	550	Un	Tc -3.85 Bhc .4		2,755	169.99	L,P,W

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 5 N., R. 11 W.--Continued														
5N/11W-5A1	GS	12- 5-63	J. Brewer	1954	300	8	S 3		Dm	Tc	1.5	2,685	168.8	
5D1	GS	12- 5-63					T E		Un	Hpb	1.7	2,690	194.39	L
	D	6- ---17	Clark Cook Ranch										90	
	DWR-5A	1924											160	
		8-30-57	William Johnson	1917	403		T G	180	Ir	Ls	0		197	
5F1	GS	12- 5-63	Palmdale Irr. Dist., Well 16				T E		Ps	Na		2,711		L, P, W
	D	2-24-60	Palmdale Irr. Dist.	1960	550	R 14		575						
5H1	GS	12- 5-63				10	T 20		Ps	Hpb	.2	2,702	167.96	
5J1	GS	12- 4-63	Harper	1951		8	S E		Dm	Tcc	1.0	2,704	175.62	
5J2	GS	12- 4-63				8	S 1		Un	Tcc	.3	2,706	172.24	
5K1	GS	12- 4-63	W. Helm	1958		8	L 1½		Dm	Tap	.7	2,708	180.77	
5K2	GS	12- 4-63					E		Dm	Na		2,715		P, W
5L1	GS	8-11-64	Palmdale Irr. Dist., Well 12			12	T 25			Na		2,715		
	WRB	2-29-56	Palmdale Irr. Dist.	1927	302.0			249						
	WRB	11-26-57												
	SCE	9-26-63												
5P1	GS	12- 4-63	M. H. Lewis	1954	500	10	T 7½		Ps	Tap	1.0	2,742	228.14	
5Q1	GS	12-10-63				6	N N		Ds			2,767	dry	
	FC-8755D	5- ---49				6	L W		Dm	Hpb	.3		255	
	FC	11-17-52	Peas	1944	305				Dm				237.8	
6A1	GS	12- 6-63	J. Forhnert			8	T G		Dm	Tc	0	2,682	195.29	
6K1	GS	12- 5-63	A. McQuaid			6	S 5		Dm	Tc	.8	2,743	6246.16	
6R1	GS	12- 5-63				8	J 1		Un	Tc	1.2	2,765	65.02	
6R2	GS	12- 5-63				10	L W		Ds			2,763	dry	
7G1	GS	12-10-63	Great Western Land Co.	1950	130	8	T 10		Ps	Tap	2.3	2,840	22.54	
	0	1960						100					30	
7O2	GS	12-10-63	Great Western Land Co.			6	N N		Un	Tc	1.0	2,869	28.10	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 5 N., R. 11 W.--Continued														
5N/11W-703	GS	12-10-63	Great Western Land Co.			10	N N		Un	Tc	1.0	2,361	(h)	
9A1	GS	12-9-63	C. K. Maus			8	T 75		Ir	Hpb	.3	2,760.7	170.26	
	FC-8775	9-13-40	Harry Tuel		350		T 15						b154.8	
	FC	11-26-41											151.6	
9A2	GS	12-9-63	H. Butzke			8	T 7½		Ir	Hpb	1.0	2,764	174.41	
9A3	GS	12-10-63	Great Western	1948	500	16	T E		Ps	Hpb	.9	2,766	174.98	
	O	2----63	Land Co.					550					175	
9C1	GS	12-10-63	Los Angeles County			8	N N		Un	Tc	.7	2,756	199.93	L
	D	8-1-46	B. J. Frank	1946	250	C 8							f195	
9D1	GS	12-10-63	L. H. Harned	1946	300	8	T G		Un	Tc	.3	2,777	224.05	L
	D	1----46				C 8		50	Dm				f200	
9Q1	GS	12-10-63				10	N N		Un	Tc	1.0	2,857	61.71	W
	FC-8767	9-12-40				10	L		Un					
	GS	5-17-55			98.2	10	L N		Un					
9Q2	GS	12-10-63				14	N N		Un	Tc	0	2,857	58.01	
	FC-8767A	11-15-49								Hpb	.9		46.2	
	FC	11-17-52											53.3	
9R1	GS	12-10-63				12	T ½		Dm	Na		2,833		W
	FC-8776	9-12-40				12	N N		Un	Tc	2.0		52.1	
10C1	GS	12-11-63	Joshua Trailer Park			8	T 60		Ps	Hpb	.1	2,778	(a)	
10H1	GS	12-11-63	Blue Diamond Corp., Well 1						Un	Na		2,795		
	WRB	10----55	Blue Diamond Corp.	1955	500	12	T 125	1,000	In				164	L
	WRB	10----55											a255	
10R1	GS	12-11-63				16	N N		Un	Tc	1.0	2,835	113.72	W
	FC-8787	10-19-27	H. C. Smith			16	N N		Un					
12F1	GS	12-11-63		1918	250	10	T 20		Ir	Na		2,800		P
	D	12---27				12								
	FC-8816	11-11-37								Tc	0		86	
	FC	2-26-38											103.65	
	D	5-30-50	L. D. S. Church	1950	v232	C 10		600					103.1	

See footnote at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 5 N., R. 11 W.--Continued													
5N/11W-12H1	GS FC-8826B WRB	12-11-63 11-11-37 1-20-57	F. Carr Wheellock	1936	310	16	T 100 T 60		S Ir	Hpb 1.5	2,804	143.55	W
12J1	GS SCE	12-20-63 11-14-61	Little Rock Irr. Dist.		512	14	T 75	723	Ps	Ls 0	2,810	x162	C, L, P
12J2	GS SCE	12-20-63 10-21-61	Little Rock Irr. Dist.		483	14	T 100	745	Ps	Ls 0	2,807	x176	C, L, P
12Q1	GS	12-20-63	Little Rock Irr. Dist., Well 7				T 50		Ps	Ls 0	2,832	x178	C, P, W
	FC-8816A FC SCE	11-11-37 8-4-59 10-21-61	Wheellock		392 v450.0	16	T E T 50	495	Ir	Tap 1.0			
12R1	GS	12-20-63	Little Rock Irr. Dist.			14	T 50		Ps	Ls 0	2,841	x189	C, P, W
	D FC-8826 SCE	1924 11-11-37 11-14-61	Carr & Bones Carr	1924	602	14	T E T E	595		Bpb .5			
13A1	GS	12-20-63	Little Rock Irr. Dist.			14	T 75		Ps	Ls 0	2,860	x212	C
13B1	GS DWR SCE	12-20-63 10-26-61	Little Rock Irr. Dist.		656	14 14	T 75 T 75 T 75		Ps Ps	Tap .8	2,845	200.68	C, L, P
13G1	GS FC-8827 FC FC	1-8-64 12-16-43 12-13-56 5-23-61	A. K. Sweet	1943	v380	C 12 12	T 25 T G	637	Ir Ir	Hpb 1.0 Bpb 2.0	2,897	240.49 189.8 224.9 k244	C, L
13J1	GS FC-8827A FC	1-7-64 11-11-43 11-26-56	Little Rock Irr. Dist.	1943	365 254.0	14	N N N N N N		Ds	Tc 1.0	2,913	210	L, W
13K1	GS FC-8817 DWR	12-20-63 12-16-43	Little Rock Irr. Dist.	1943	488	C 14 14	T 50 N N N N	360	Ps	Ls 0 Tc 1.0	2,890	n x100 177	C, L, P, W
13Z1	GS DWR-13D	1-7-64 1924	Olaf Lewis	1924	288	N 14	N N N N	135	Ds		2,910	175	L
14A1	GS D DWR DWR	12-4-63 5-18-51 8-29-57 11-24-61	George Bones	1951	362	12 C 12	T 20	144	Ir	Hpb 1.0 Tap .6	2,874	177 f118 162.4 193.2	L

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 4 N., R. 21 W.--Continued													
5N/11W-14F1	CS T-139	12-11-63 11-6-15	Littleton		42.8	16	N N		Ds	Tc 1.5	2,880	31.8	W
14Z1	CS T-140	12-11-63 11-6-15	Kellerman		0 52.5	D	N N		Ds	Tc 1.5	2,923	51.1	W
23Z1	CS T-142	12-13-63 11-6-15	Holloway			D N	N N		Ds	Ls 0	2,940	dry 15.4	W
T. 5 N., R. 12 W.													
5N/12W-1A1	CS	3-10-64			11.5	12	N N		Ds	Tc 1.5	2,705	dry	
1B1	CS	3-10-64				8	N N		Un	Tcc 1.0	2,705	(h)	
1F1	CS	3-10-64				8	N N		Un	Tc 4.0	2,791	28.82	
2F1	CS	3-10-64	Florence Ball		90	12	S E		Dm	Tc .3	2,804	13.39	
2F2	CS	3-10-64			39.5	D 48	J E		Un	Tc 1.5	2,805	20.49	
T. 6 N., R. 8 W.													
6N/8W-1P1	CS	3-20-64				12	L H		Un	Tc 0	2,894	65.39	
1R1	CS	3-20-64							Un	Na	2,906		
3A1	CS	3-20-64				12	L W		Un	Tcc 1.0	2,850	95.94	
4H1	CS	3-20-64				8	N N		Un	Na	2,802		
4Q1	CS	3-20-64				R 8	N N		Un	Na	2,760		
5H1	CS	3-10-64			111.1	10	N N		Ds	Tc 1.0	2,748	dry	
5N1	CS	3-20-64			46.3	4	N N		Ds	Tc -1.5	2,705	dry	
5P1	CS 0	3-20-64 3-20-64	Harvey Payne	1947	228	12 C	L E		Dm	Na	2,723	175	
6R1	CS	3-20-64							Un	Na	2,705		
7N1	CS	3-23-64		1961	244.0	6	S E		Dm	Tcc 1.5	2,705	159.94	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) (feet)			
T. 6 N., R. 8 W.--Continued														
6N/8W-7Q1	GS	3-23-64			24.2	10½	N N		Ds	Tc	0.8	2,725	dry	
8P1	GS	3-23-64			12.2	12	N N		Ds	Tc	1.3	2,744.7	dry	
	FC-10358	11-18-39			83.7	12	N N		Ds				dry	
9U1	GS	3-20-64			28.5	D 72	N N		Ds	Tc	0	2,803	dry	
9L1	GS	3-23-64				6	L E		Dm	Tc	1.5	2,760	(e)	
9N1	GS	3-23-64	Sterling		80	12	L E		Dm	Tc	1.5	2,770	(a)	
9P1	GS	3-25-64	John Crutsinger		98	6	J E		Dm	Tc	.5	2,784	47.31	
9P2	GS	3-23-64	John Crutsinger		100	6	L W		Dm	Na		2,782		
9P3	GS	3-23-64	John Crutsinger		100	10	S E		Dm	Tcc	1.3	2,782	62.32	
9Q1	GS	3-23-64							Un	Na		2,791		
9R1	GS	3-23-64	Edwards	1949	115	R 10	L W		Dm	Na		2,798	46	
9R2	GS	3-23-64	Edwards	1952	198	10	S 1½		Dm	Na		2,798		
10N1	GS	3-23-64	Grace Rouff		0		N N		Ds			2,803	29.2	W
	GS	11-18-39	Robert Barnett		35	D	L W		Dm	Tc	0			
10N2	GS	3-23-64			35	D 36	L E		Dm	Tcc	.1	2,804	30.00	W
	GS	11-7-47	Robert Barnett	1947			L G			Tc	0			
10P1	GS	3-23-64			13.9	10	N N		Ds	Tc	1.5	2,818	dry	
10P2	GS	3-23-64				8	J 1½		Un	Tc	1.0	2,821	21.49	
10P3	GS	3-23-64					S E		Un	Bpb	1.3	2,834	33.63	
10Q1	GS	3-23-64			16.2	D 72	N N		Ds	Tc	0	2,830	dry	
10Q2	GS	3-23-64				6	J N		Un	Bhc	1.3	2,851	29.46	
11Q1	GS	3-24-64			10.0	D 60	N N		Ds	Ls	0	2,860	dry	
13A1	GS	3-24-64	Art Eyraud		46	D	L W		Dm	Tcc	.8	2,890	37.92	
13A2	GS	3-24-64	Art Eyraud	1926	30	D	L W		Dm			2,883	(a)	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Distance above or below (feet)	Observation			
T. 6 N., R. 8 W.--Continued														
6N/8W-13B1	GS	3-24-64	Mrs. Butterfield		25	12	L W		Dm	Na		2,884	20	
13C1	GS	3-24-64	Jim Laffen				L W		Dm	Na		2,879		
13C2	GS	3-24-64	Jim Laffen			12	N N		Un	Tc	0.5	2,878	32.81	
13H1	GS	3-24-64			35	8	L W		Dm	Na		2,889		
13Z1	GS	3-24-64	J. O. W. Anderson				N N		Ds			2,903	56	
13Z2	GS	3-24-64					N N		Ds			2,883	29	
14C1	GS	3-24-64	J. S. Barton			D	N N		Ds	Na		2,854	33	
14E1	GS	3-24-64	W. W. Kent			D								
14L1	GS	3-24-64			67.9	7	N N		Un	Tc	.5	2,873	39.01	
14Z1	GS	3-24-64					N N		Ds			2,885	48	
14Z2	GS	3-24-64	A. H. Tidd			D	N N		Ds			2,897	33	
	T-124	3-24-64	E. Malcolm											
15B1	GS	3-24-64	C. Wright		60	8	L E		Dm	Tc	1.5	2,835	(h)	C
	DWR	8-14-53	W. Steinert			10	L W		Dm				23.2	
	DWR	12-13-56											22.1	
	DWR	9-4-58											23.2	
15D1	GS	3-25-64			32.6	D	L H		Un	Tc	1.0	2,815	29.91	
15G1	GS	3-24-64			11.2	12	N N		Ds	Tc	.8	2,827	dry	
15N1	GS	3-25-64			21.3	D	N N		Ds	Tc	0	2,854	dry	
16C1	GS	3-25-64			44.0	D	N N		Ds	Tc	0	2,782	dry	
16D1	GS	3-25-64	Sterling		150	12	J 1		Un	Na		2,775		
17B1	GS	3-25-64	L. J. Scott	1961	206	10	S E		Dm	Tap	1.2	2,768	80.40	
17F1	GS	3-25-64	W. R. Gilbreath	1953	185	C 8	L W		Dm	Na		2,765		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Gas-crip-tion	Distance above or below lsd (feet)			
T. 6 N., R. 8 W.--Continued														
6N/8W-17R1	GS	3-25-64				D	N N		Un	Tc	1.5	2,804	66.11	
18C1	GS	3-25-64	Clifton Willis			10	S E		Un	Tcc	2.0	2,724	175.98	
18D1	GS	3-25-64	Clifton Willis			12	S E		Dm	Is	0	2,723	(a)	C,W
	T-121	1920	A. C. Huff		215	9	L W		Dm	Tc	2.0		157.1	
	FC-10338	3-14-40			210	9	L W							
18P1	GS	3-25-64				12	L W		Un	Tc	.2	2,759.8	195.12	
	DWR-18B	11-14-51			210	10			Dm				183.39	
	FC-10339	11-22-61											192.9	
19E1	GS	3-26-64				14	N N		Un	Tc	.7	2,774	147.44	
19M1	GS	3-26-64	Crane	1959	222	C 9			Dm	Na		2,781		
19N1	GS	3-26-64	C. T. Lawrence	1954	255	C 10	S 20		Ir			2,801	(a)	
	0	1963										170		
19P1	GS	3-26-64	Judy Pritchett	1957	248	14	T 15		Ir			2,804	(a)	
	0	1957										179		
	0	1963										179		
20A1	GS	3-25-64				12	L E		Dm	Tcc	1.0	2,814	73.27	
20J1	GS	3-26-64			17.0	14	N N		Ds	Tc	2.0	2,833	dry	
	DWR-20A	11-14-51				14							77.03	
21H1	GS	4- 1-64	Dr. C. G. Woodhull	1959	146	R 10	T 10		Ir	Tap	1.0	2,867	43.69	
21J1	GS	4- 1-64	Dr. C. G. Woodhull	1950	181	R 12	T 20		Ir	Tc	1.3	2,868	43.87	L
	0	7-10-51											419.2	
21R1	GS	4- 1-64	N. S. Rinde	1944	100	C 12	S E		Dm	Tcc	1.0	2,882	54.70	
21R2	GS	4- 1-64	W. G. Rinde	1959	175	10	S E		Dm	Tcc	.3	2,883	55.50	
22C1	GS	4- 1-64			35.0	14	N N		Ds	Tc	1.0	2,865	dry	
22C2	GS	4- 1-64				12	L N		Un	Tc	1.0	2,865	e40	
22D1	GS	4- 1-64			91.0	12	N N		Un	Tc	1.0	2,861	33.66	
22E1	GS	4- 1-64				14	N N		Un	Tc	.8	2,874	43.18	
22F1	GS	4- 1-64	William Heckers		190	12	L W		Dm	Tc	2.2	2,878	445.27	

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 6 N., R. 3 W.--Continued														
6N/3W-22F2	GS	4- 1-64	William Heckers		360		T N		Un	Na		2,878		
22H1	GS	4- 1-64				12	T E		Un	Na		2,884		
22K1	GS	4- 1-64	Jerald Osterberg		104	6	J 1		Dm	Tap	2.0	2,883	46.55	
22K2	GS	4- 1-64					T E		Un	Na		2,885		
22M1	GS	4- 1-64			63.5	12	N N		Un	Tc	3.0	2,884	55.07	
22N1	GS	4- 1-64			124.8	8	N N		Un	Tc	1.2	2,881	52.31	
22Q1	GS	4- 1-64				12	L H		Un	Tc	1.3	2,906	73.19	
23A1	GS WRB	4- 2-64 1950	Alvin Tidd	1946	176		T 25		Un	Bpb Tc	1.0 1.0	2,903	53.39 64	
23H1	GS	4- 2-64	C. E. Anderson	1957	200	14	T 7½		Dm	Hpb	2.0	2,915	63.93	
23H2	GS T-127	4- 2-64 8-----17	C. E. Anderson S. W. Moore				N N		Ds			2,915	dry 57	
23L1	GS DWR DWR	4- 2-64 3- 5-47 12-13-56				12	N N	200	Un	Bhc	1.3	2,900	61.39 88.7 63.3	C
23M1	GS	4- 2-64	Gray Butte Ranch			12	T 15		Ir				58.95	C
23N1	GS	4- 1-64				12	J E		Un	Tc	2.0	2,893	dry	
23R1	GS	4- 1-64			40.0	6	N N		Ds	Tc	2.5	2,913	dry	
24M1	GS	4- 2-64	C. B. Spears				N N		Ds	Tc	1.0	2,940	dry	
24N2	GS	4- 2-64	C. B. Spears		103.7	12	S E		Dm	Tap	1.0	2,937	85.00	
25A1	GS	4- 2-64			51.0	D 72	N N		Un	Tc	1.3	2,939	93.20	
26P1	GS D DWR-26A	4- 2-64 1946 3- 5-47	Gray Butte Ranch Asa Wilson	1946	537	16 R 16	T 30	972	Ds	Tc	0	2,959	dry	
27B1	GS	4- 3-64				12	N N		Un	Hpb	1.0	2,968	147.65	L,P
27C1	GS	4- 3-64				12	N N		Un	Na		2,912	90	
						12	N N		Un	Bpb	1.3	2,915	75.26	



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 6 N., R. 8 W.--Continued														
6N/8W-27J1	GS D DWR-27A	4- 3-64 1946 2-14-47	Grey Butte Ranch Asa Wilson	1946	361	16	T E	1,350	Ir	Bhc	0.8	2,946	(a)	L,P
27Z1	GS B	4- 3-64 3-----50	Walter Siran		830				Ds			2,900		
28A1	GS	4- 3-64				8	J 1		Un	Na		2,900		
28B1	GS	4- 3-64			53.0	D	N N		Un	Tcc	0	2,869	49.31	
28J1	GS	4- 3-64	Alexander				L W		Dm	Na		2,918		
28N1	GS	4- 3-64	Stephen Veres	1958	126	6	L W		Dm	Na		2,900		
30B1	GS	4- 6-64			250	8	E		Dm	Na		2,820		
30G1	GS	4- 6-64	Math Barth	1957	259	R 8	S E		Dm	Tap	1.0	2,829	189.34	C,L
30G2	GS	4- 6-64				6	J E		Un	Na		2,836		
30G3	GS O	4- 6-64 1959	R. Fridler	1959	259	R 6	J 3		Dm	Na		2,835	185	
30H1	GS	4- 6-64				10	J E		Un	Tc	1.0	2,848	198.57	
30J1	GS	4- 6-64				8	S E		Un	Na		2,857		
30M1	GS	4- 7-64	Dr. Howered		200	8	S E		Dm	Tcc	1.0	2,835	(a)	
30M2	GS O	4- 7-64 4- 7-64	Hugh R. Moore	1957	285	8	J 1½		Dm	Na		2,839	190	L
30P1	GS	4- 6-64	Shoemaker	1964	300	8	S E		Dm	Tcc	1.3	2,857	210.23	
30P2	GS	4- 6-64				5	G		Dm	Na		2,860		
30P3	GS	4- 6-64				R 6	S E		Un	Na		2,855		
30Q1	GS O	4- 6-64 4- 6-64	Frank Diller	1954	250	6	S E		Dm			2,853	200	
32A1	GS	4- 3-64				12	N N		Un	Tcc	1.0	2,909	163.57	
32D1	GS	4- 7-64	M. T. Scofield	1953	284	R 8	S E		Dm	Tap	.8	2,885	209.28	
32E1	GS	4- 7-64	R. A. Kewish	1953	248	R 6	S 1½		Dm	Na		2,902		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 6 N., R. 8 W.--Continued														
6N/8W-32E2	GS	4- 7-64	B. M. Meyer		270	6	S E		Dm	Na		2,905		
32E3	GS	4- 7-64	S. W. Gearllach	1957			S E		Dm	Bpb	0.7	2,911	(h)	
32E4	GS	4- 7-64				8	S E		Dm	Tc	1.0	2,906	213.82	
32K1	GS	4- 7-64	Sylvies		308	8	S E		Un	Tc	1.4	2,938.6	210.50	
DWR-32B		11- 4-51				8			Dm				209.6	
32P1	GS	4- 7-64	M. B. Scofield	1917	280	12	L W		Dm	Na		2,955	192.5	W
FC-9054		7-27-40	Hibbard						Dm	Tc	.5			
32P2	GS	4- 7-64	M. B. Scofield	1955	330	12	T 15		Ir	Tap	1.0	2,955	198.5	
33A1	GS	4- 3-64					N N		Un	Na		2,930		
33A2	GS	4- 3-64		1949	150	6	L W		Un	Na		2,931	82	
DWR-33B		1944				6				Ls	0			
34D1	GS	4- 3-64				16	N N		Un	Tcc	3.0	2,942	112.44	
34P1	GS	4- 7-64	Salva Ranch			8	T 7½		S	Tc	.5	2,998	156.60	
35B1	GS	4- 8-64	Grey Butte Ranch				T 50		Un	Na		2,191		
35F1	GS	4- 8-64	Grey Butte Ranch			16	T G		Ir			2,983	(a)	C
35K1	GS	4- 8-64	Grey Butte Ranch				T G		Ir			3,015	(a)	
35P1	GS	4- 8-64	Grey Butte Ranch		435		T G		Ir			3,002	(a)	C
36R1	GS	4- 8-64				18	T N		Un	Tc	1.5	3,056	170.12	
36Z1	GS	4- 8-64					N N		Ds			3,009	112	
T-128		8----17												
T. 6 N., R. 9 W.														
6N/9W-2E1	GS	1-23-64					T N		Un	Na		2,617		
2E2	GS	1-23-64			137.7	12	N N		Ds	Tc	1.0	2,618	dry	
2L1	GS	1-23-64			187.0	12	N N		Un	Tc	.3	2,625	162.89	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data			
										Description	Distance above or below lsd (feet)						
T. 6 N., R. 9 W.--Continued																	
6N/9W-3D1	GS	1-23-64	Maurice Carter	1955	310	R	T N		Un	Na		2,594		L			
	D	2-10-55														120	
	WRB	2-2-55															
3H1	GS	1-23-64			34.0	D 60	N N		Ds	Tc	0	2,613	dry				
3R1	GS	1-23-64					T G		Dm	Hpb	3.0	2,628	151.7				
4F1	GS	1-22-64					T 40		Ir	Tap	1.3	2,590	(h)				
4F2	GS	1-22-64			3.0	12	N N		Ds	Tc	0	2,584	dry				
4H1	GS	1-23-64	Wilsona School Dist.			12	N N		Ds			2,596		W			
	FC-10276	11-10-37				12	L W		Ps	Tc	1.7		103.6				
4H2	GS	1-23-64	Wilsona School Dist.	1949	336	10	T 10	990	Ps	Tap	1.4	2,595	146.03	C,W			
	FC-10276A	12-3-53							T								
4P1	GS	1-22-64			46.5	12	N N		Ds	Tc	0	2,605	dry				
5E1	GS	1-22-64	C. Gordon			12	S E		Dm	Tc	.3	2,587	109.61				
5F1	GS	1-22-64					8	T E		Dm	Tap	1.5	2,584	110.66			
5R1	GS	1-22-64				134.4	13	N N		Ds	Tc	4.0	2,596	dry			
6J1	GS	1-22-64	E. Morgan, Jr.	1962	200	8	S 1/3		Dm	Tap	1.0	2,597	113.69				
6J2	GS	1-22-64						111.2	12	N N		Ds	Tc	.5	2,597	dry	
6K1	GS	1-21-64	E. Morgan, Jr.		106.2	6	N N		Ds	Tc	.3	2,608	dry				
6L1	GS	1-21-64					10	S E		Un			2,600	112.28	C,W		
	DWR	8-15-53			1930	100	D	S 1		Dm							
	DWR	3-19-57			160												
6N1	GS	1-28-64			52.2	D 72	N N		Ds	Tc	-3.0	2,618	dry				
6Q1	GS	1-22-64	Doll Matay	1953	205	C 8	L W		Dm	Tap	1.5	2,607	130.15	L			
	D	7-31-56									Dm				f98		
6Q2	GS	1-22-64	C. Lownes	1930	218	12	S E		Dm	Tec	.7	2,610	al25.39				
	FC-10236										Dm						
7J1	GS	1-27-64	Moscosco Ranch	1961	243	14	N N		Un	Tc	1.2	2,618	128.02	L			
	D	3-25-61							R								

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 6 N., R. 9 W.--Continued														
6N/9W-711	GS	1-28-64				14	T 40		Un	Bhc 0		2,645	137.61	
7P1	GS	1-28-64	George W. Smith	1954	200	12	S E		S	Tc 1.0		2,650	(e)	
8A1	GS	1-27-64	C. S. Chapman				T 10		Dm	Hpb 1.8		2,603	140.22	
8A2	GS	1-27-64	C. S. Chapman			8	L W		Dm	Na		2,603		
8D1	GS	1-27-64	McCormick	1956	208	R 8	S 2		Dm	Na		2,610		
8D2	GS	1-27-64	McCormick	1914	116	12	N N		Ds	Tc .5		2,610	dry	
8E1	GS	1-27-64	McCormick	1956	200	R 8	L H		Un	Tc 0		2,615	126.09	
10D1	GS D	1-27-64 7- 5-60	C. S. Chapman	1960	360	R 14	T 125	1,900	Ir	Ls 0		2,629	158	L, P
10Q1	GS D	1-27-64 7-25-60	C. S. Chapman	1960	320	R 14	T 100	1,500	Ir	Tap 1.0		2,656	159.63	C, I, P
11N1	GS FC-10298	1-24-64 10- 2-56			295	8	N N		Un	Tap .4		2,666	155.75	W
11P1	GS FC-10298A	1-24-64 11-14-58		1958		12	S E		Ir	Na Tap 0.3		2,667	135.0	
12F1	GS	1-23-64			119.8	D 9	N N		Ds	Tc -3.0		2,675	dry	
13A1	GS	1-28-64	John Williams		288	R 8	S E		Dm	Tec 1.1		2,713	(a e)	C
13G1	GS	1-28-64				10	T G		Ir	Bhc .2		2,708	(a)	
13J1	GS	1-28-64					T 20		Un	Na		2,723		
14C1	GS	1-28-64				8	S E		Dm	Tec 1.0		2,670		
14N1	GS DWR-14A	1-28-64 12- 5-42			0 72	48	N N		Ds	Tc 0		2,703	dry	
14H2	GS	1-28-64			44.0	N	N N		Ds	Ls 0		2,700	dry	
14Q1	GS DWR-14B	1-28-64 11-14-51				D 12 12	N N		Un	Tec 2.0		2,716	155.75	W
15M1	GS DWR-15A	1-29-64 11-11-51			16.2 22.2	12 12	N N		Ds	Tc .75		2,711	dry 7.41	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 6 N., R. 9 W.---Continued													
6N/5W-15M2	GS	1-29-64			0	12	N N		Ds	Tc 2.0	2,712		
15N1	GS	1-29-64			34.8	12	N N		Un	Tc 0	2,712	32.27	
16R1	GS	1-29-64				12	T 2		Dm	Tc 1.0	2,708	a e34.2	
16R2	GS	1-29-64				6	L W		Un	Tc 1.0	2,708	e28.80	
16R3	GS	1-29-64			1.5	12	N N		Ds	Tc .5	2,708	dry	
17D1	GS	1-30-64	T. Flores	1960	300	C	E		Dm	Na	2,672		
17D2	GS 0	1-30-64 1-30-64	T. Flores	1962	100				Dm	Na	2,657	(t) dry	
18B1	GS	1-29-64			15.0	D 36	N N		Ds	Is 0	2,647	dry	
18C1	GS	1-29-64			140.4	6	N N		Ds	Tc 0	2,648	dry	
18F1	GS	1-29-64			161.6	10	N N		Un	Tec 0	2,667	114.49	
19N1	GS	1-30-64			40.1	12	N N		Ds	Tc 0	2,733	dry	
19R1	GS DWR-19A	1-30-64 1951			75.0	8 8	N N		Ds Dm	Tc 1.0	2,787	dry 63.09	
20R1	GS	1-30-64			82.6	8	N N		Ds	Tc 2.0	2,775	dry	
21J1	GS D	1-31-64 1-20-61	Blue & Rizzo Ranch	1961	738	14 R 14	T 20		Un	Na	2,740		L
21R1	GS	1-31-64			82.1	12	N N		Un	Tc .5	2,758	47.41	
21R2	GS	1-31-64				12	T N		Un	Tc 1.3	2,758	(h)	
21Z1	GS DWR-21A	1-31-64 11-6-51				12 12	N N		Ds	Tc 0	2,761	35.09	
22E1	GS WRB	1-31-64 2-----57	C. S. Chapman	1920	400		T N		Ds	Na	2,735		
22J1	GS FC-8980	2-4-64 11-12-51	Milton Wolf		50 55.1	8	S E L W		Dm Un	Na	2,731		
22J2	GS	2-4-64	Milton Wolf	1963	110	8	S E		Dm	Na	2,731		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Wafer level below lsd (feet)	Other data		
										Description	Distance above or below (feet)					
T. 6 N., R. 9 W.--Continued																
6N/9W-22L1	CS	2- 3-64	Nichols Ranch	1944	17.0	12	S E		Dm	Na		2,743				
22L2	CS	2- 3-64					N N		Ds	Tc	0.3			2,743	dry	
DWR-22D		11-11-51								Tpb	.41				32.86	
22X1	CS	1-31-64	H. C. Pope	1944	400	8	S E		Dm	Na		2,745	90			
0		1-31-64							Ls	0						
22X2	CS	1-31-64	H. C. Pope	1944	400	12	N N		Ds	Na		2,745	dry			
DWR-22A		11-14-51							Tc	0					26.75	
22X1	CS	1-31-64	H. C. Pope	1950	400	12	T 30		Ir	Na		2,757				
22Q1	CS	2- 3-64					L W		Dm	Tc	.2			2,751	(h)	
DWR-22F		11-11-51					L W		Un					47.11		
22Q2	CS	2- 3-64		1954	49.5	12	N N		Ds	Tc	1.0	2,751	dry			
DWR-22E		11-11-51							Un					47.58		
22Q3	CS	2- 4-64					T N		Un	Na				2,744.3		
DWR-22C		11-12-51				12			Un	Tap	1.7		49.94			
22Z1	CS	1-31-64	Alexander Stewart	1920			N N		Ds			2,735	(p)			
22Z2	CS	2- 4-64					N N		Ds					2,745		
T-119		1920	Mrs. A. Stewart		180	14	T	630	Ir					P		
23B1	CS	2- 4-64	A. Guest	1948	174.0	6	N N		Un	Tc	1.0	2,722	155.30			
23B2	CS	2- 4-64					S E		Dm	Tap	1.3			2,723	151.80	
23D1	CS	2- 4-64	Mearet	1954	135.4	8	T 3		Dm	Na		2,712				
23D2	CS	2- 4-64					N N		Un	Tc	.8			2,713	114.84	
23D3	CS	2- 4-64					S E		Dm	Tap	1.0			2,713	114.93	
23L1	CS	2- 4-64	A. V. Progressive Club	1954	236	8	T 30		Ps	Na		2,732	(a)			
23M	CS	2- 4-64					J 1½		Dm	Tap	1.3			2,740	80.10	
23P1	CS	2- 5-64					S E		Dm	Na				2,750		
23Q1	CS	2- 4-64	S E						Dm	Tc	1.0	2,762	118.37			

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description	Distance below lsd (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 6 N., R. 9 W.--Continued														
6N/5W-24E1	GS	2- 4-64		1964		C	N N		Un	Na		2,746		
24N1	GS	2- 5-64	Mrs. Benton			8	J E		Dm	Tc	0.8	2,772	133.88	
24N2	GS	2- 5-64	L. Coldwell	1948	150	6	S 1/2		Dm	Tc	1.0	2,773	e137.30	
24N3	GS	2- 5-64	Charles Thomas	1954	210	8	L		Dm	Na		2,776		
24P1	GS	2- 5-64	Clarence Robsion	1946	256	R 8	S E		Dm	Na		2,779		
24P2	GS	2- 5-64				6	S E		Dm	Na		2,778		
24P3	GS	2- 5-64	Hickman			8	L E		Dm	Na		2,782		
24Q1	GS	2- 5-64	Ivior Williams	1958	250	8	S E		Dm	Na		2,784		
24R1	GS	2- 5-64	J. D. Johnson		190	12	T G		Dm	Hpb	.5	2,787	166.14	
DWR-24A		11-12-51	Premier		195				Dm	Tc	0		158.18	
25B1	GS	2- 5-64			199.6	R 8	N N		Un	Tc	0	2,795	166.92	
25H1	GS	2- 5-64				12	T 60		Un	Bhc	1.2	2,821.8	(h)	
DWR-25A		11-12-51							Dm	Tc	1.2		178.8	
25K1	GS	2- 6-64				8	S E		Un	Tc	1.0	2,817	179.34	
26A1	GS	2- 6-64				R 10	S		Un	Tap	1.5	2,786	(e)	
26A2	GS	2- 7-64	A. R. Pierce	1955	213	8	S 1		Dm	Tap	1.0	2,773	132.58	95
26A3	GS	2- 7-64	Chroford	1950	200	6	T E		Dm	Na		2,771		
26A4	GS	2- 7-64	W. Hollingsworth			8	S E		Dm	Tc	1.0	2,770	(e)	
26A5	GS	2- 7-64	W. Hollingsworth		130		L N		Ds	Na		2,769.8		
DWR-26B		11-12-64							Dm	Tf	1.25		113.75	
26B1	GS	2- 7-64	Jenney B. Murrey	1946	150	6			Dm	Na		2,766		
26B2	GS	2- 7-64	A. Gonzales			8	T 3		Dm	Na		2,778		
26B3	GS	2- 7-64				8	J 1		Un	Tc	1.2	2,765	111.62	
26D1	GS	2-10-64	Henry Woo			10	T 5		S	Na		2,753		

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 6 N., R. 9 W.--Continued														
6N/9W-26D2	CS	2-10-64	Henry Woo			12	L N		Un	Tc	1.0	2,753	(h)	
26G1	CS	2-6-64							Dm	Na		2,791		
26G2	CS	2-7-64	J. J. Clark	1959	200	R 8	T 5½		Dm	Na		2,780		
26H1	CS	2-6-64		1959	230	R 8	T 10		Ir	Na		2,793		
26H2	CS	2-6-64	Thomas			8	J 1		Dm	Na		2,793		
26H3	CS	2-6-64				8	T 3		Un	Na		2,795		
26I1	CS	2-6-64	Duhin	1956	210	R 8	T 10		Ir	Tap	.3	2,805	147.91	
26I2	CS	2-6-64	Raymond Duglas		200	8	S E		Dm	Tcc	1.0	2,799	138.3	
26I3	CS	2-6-64	Raymond Duglas		138.5	C 8	N N		Ds	Tc	.5	2,799	dry	
26I4	CS	2-7-64				8	N N		Un	Tc	0	2,800	124.04	
26K1	CS	2-7-64	Cook			6	S E		Dm	Tc	0	2,788	134.39	
26Q1	CS	2-7-64			102.8	6	N N		Ds	Tc	.5	2,809.5	dry	W
FC-9002		5-18-40	Johnson				L W						110.7	
26Q2	CS	2-7-64	H. Bursleson		170	10	L E		Dm	Bhc	1.3	2,806	(h)	
26Q3	CS	2-7-64			120	10	L W		Ds	Tc	.3	2,806.7	dry	
DWR-26C		11-12-51	H. Bursleson										110.46	
27M1	CS	2-10-64				8	S E		Dm	Na		2,788	f60	
D		7-56				8	N N		Dm	Tc	2.0		61	
FC-8972		8-13-56	Bayken	1956	150									
27M2	CS	2-10-64				6	S E		Un	Na		2,785		
27M3	CS	2-10-64	A. Rizzo	1957	180	6	S E		Dm	Na		2,794		
27N1	CS	2-10-64				6	N N		Un	Na		2,798		
27N2	CS	2-10-64				5	N N		Un	Na		2,798		
27N3	CS	2-10-64				6	S E		Dm	Na		2,797		
27N4	CS	2-10-64	Otto George		150	6	S E		Dm	Tc	1.0	2,805	81.85	

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 6 N., R. 9 W.--Continued													
6N/9W-27N5	GS	2-10-64	Pope		0	8	N N		Ds	Tc 1.0	2,805		
27N6	GS	2-10-64	Pope		149.5	8	N N		Un	Tc 1.0	2,800	75.40	
27N7	GS	2-10-64	Pope		153.0	6	N N		Un	Tc 2.0	2,802	77.62	
27N8	GS	2-10-64	C. E. Smith		145	C 6	S E		Dm	Na	2,802		
27F1	GS	2-10-64	J. Leath	1955	175.5	12	J L		Dm	Tc 1.0	2,805	90.37	
27F2	GS	2-10-64			69.7	R 5	N N		Ds	Tc 1.2	2,796	dry	
27F3	GS	2-10-64				6	N N		Un	Na	2,796		
27Q1	GS	2-10-64	Snite				T E		Ir	Na	2,802		
28F1	GS	2-11-64				12	T 25		Ir	Bhc 1.2	2,788	e84	
28F2	GS	2-11-64					S E		Dm	Tcc 1.0	2,788	53.95	
28F3	GS	2-11-64					T 25		Ir	Na	2,787		
28F4	GS	2-11-64					N N		Ds	Na	2,787		
28H1	GS FC-8971 D	2-11-64 7-31-56 7-56	Samuel Thomas	1956	270	C 8	S L		Dm Dm	Tap 1.0	2,781	118.22 f60	L
28K1	GS D	2-12-64 1-20-61	Clarence Shetler	1961	704	R	T G	2,800	Ir	Tap .5	2,798	(a)	C, L, P
28N1	GS FC-8952B	2-11-64 7-31-56	Clarence Shetler	1955	v283		N N	400	Un	Tcc 1.0	2,807	78.99	L
28N2	GS	2-11-64				8	N N		Un	Tc 1.0	2,808	(h)	
28F1	GS	2-11-64	Clarence Shetler		508	14	T G		Ir	Hpb .5	2,811	e125.20	
28Q1	GS 0	2-12-64 2-12-64	Clarence Shetler	1945 1941	495 216	C 12	T G		Ir	Na	2,810		
28Z1	GS T-120	2-11-64 1920	E. E. Reinsburg			12	N N	720	Ds		2,783	28	
28Z2	GS	2-11-64					N N		Ds		2,810		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 6 N., R. 9 W.--Continued														
6N/9W-29B1	GS	2-11-64	Walter McEwen		80	8	N N		Ds	Tc	0	2,787	dry	
29D1	GS	2-12-64	Walter McEwen		105	6	J 1		Un	Tap	0	2,765	63.09	
29E1	GS	2-12-64	Walter McEwen			14	T 25		Ir	Na		2,773		C, L, P
FC-8941	10-23-56		Ray Morse			14	T 25		Ir	Ls	0		x136.5	
	D	10-31-56		1956	185	R 14		600						
29G1	GS	2-11-64	Walter McEwen			14	T E		Ir	Tc	0	2,781	83.40	L, W
	D	10-25-47	Norman Rankin	1947	231			400						
29G2	GS	2-11-64	Walter McEwen			12	T 25		Ir	Tc	1.0	2,781	(a) 60	L
	D		Norman Rankin		236	R 12								
29H1	GS	2-12-64	Walter McEwen			12	N N		Un	Tc	1.0	2,781	91.01	
29K1	GS	2-13-64	Raymond Rankin	1952	352	14	T 25		Ir	Tap	1.5	2,795	(e)	
29K2	GS	2-13-64	Raymond Rankin	1925	150	C 14	S E		Dm	Na		2,795		
29L1	GS	2-12-64	Ennals Ives	1951	115	C 6	S E		Dm	Tc	1.2	2,787	(e)	
29L2	GS	2-12-64	Ennals Ives		250	12	T 25		Ir	Hpb	2.0	2,791	70.66	
29Q1	GS	2-13-64	Helen Parker		100	12	S E		Dm	Tc	0	2,808	77.35	
	DWR	11-13-51											56.90	
29Q2	GS	2-13-64	Helen Parker				N N		Un	Na		2,808		
29Z1	GS	2-12-64	Walter McEwen				N N		Ds			2,773		
30A1	GS	2-18-64	Albertson	1954	107	R 8	J E		Dm	Tcc	.5	2,765	60.39	C
30A2	GS	2-18-64	Jess Varnell	1956	110	6	S E		Dm	Na		2,754		
30C1	GS	2-18-64				6	L H		Un	Na		2,745		
30D1	GS	2-13-64	George Collins	1957	150	R 12	S E		Dm	Tc	1.0	2,742	e61.90	
30D2	GS	2-13-64	George Collins			8	S E		Un	Tc	1.5	2,745	h n64.5	
30D3	GS	2-13-64			31.7	12	N N		Ds	Tc	3.0	2,743	dry	
30D4	GS	2-13-64			62.6	6	N N		Un	Tc	1.2	2,743	n62	
30D5	GS	2-18-64	Bertha Homes	1962	200	6	S E		Dm	Na		2,740		

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) (feet)			
T. 6 N., R. 9 W.--Continued														
6N/9W-30D6	GS	2-18-64	Bertha Homes		74.5	6	N N		Un	Tc	1.5	2,740	60.90	
30E1	GS	2-13-64				8	N N		Un	Tc	1.0	2,752	56.76	
30F1	GS	2-13-64			92.3	12	N N		Un	Tap	2.2	2,758	55.84	W
	DWR-30A	11-13-51		1922	312				Un	Tc	2.0			
30F2	GS	2-13-64			16.0	12	N N		Ds	Tc	4.0	2,758	dry	
30J1	GS	2-13-64	John Martinez		3.0	A 48	N N		Ds	Is	0	2,780	dry	W
	FC-8932	8-24-54			96		N N		Un	Tcc	0		46.8	
30R1	GS	2-13-64	J. Thomas Ranch				T		Un	Na		2,793		
30R2	GS	2-13-64	J. Thomas Ranch						Dm	Na		2,790		
30R3	GS	2-13-64	Otto Giese	1962	165	4	S E		Dm	Na		2,785		
31R1	GS	2-18-64			42.7	16	N N	900	Ds	Tc	-8	2,833	dry	W
	FC-8934	5-18-40	Barlow			16	N G		Un				40.5	
32F1	GS	2-18-64	L. Rosinburger		210		L		Un	Hpb	0	2,823	71.35	
32F2	GS	2-18-64	L. Rosinburger		29.9	16	N N		Ds	Tc	2.0	2,823	dry	
32F3	GS	2-18-64	L. Rosinburger		55.5	14	N N		Ds	Tc	1.0	2,823	dry	
32Z1	GS	5-12-64					N N		Ds	Tc	.5	2,850	dry	
	FC-8944A	5-18-40			41.5	D 72								
33B1	GS	2-19-64	Blua & Rizzo Ranch			12	S E		Dm	Na		2,822		
33C1	GS	2-19-64	Blua & Rizzo Ranch	1961		14	T G		Ir	Hpb	.5	2,823	147.58	P
	0	1963		1963	738	R		2,400						
33D1	GS	2-19-64	Blua & Rizzo Ranch			R 16	N N		Un	Tcc	1.2	2,823	94.58	
33E1	GS	2-19-64	Blua & Rizzo Ranch		316.0	R 14	N N		Un	Tcc	1.0	2,833	101.25	
	DWR-33D	11-15-51	J. A. Carlos			14			Ir	Tc	1.0		90.25	
33G1	GS	2-19-64	Blua & Rizzo Ranch			R 14	N N		Un	Tc	1.5	2,833	114.92	
33G2	GS	2-19-64	Blua & Rizzo Ranch			12	S E		Dm	Tc	1.0	2,834	(e)	
33H1	GS	2-19-64	Blua & Rizzo Ranch	1955		14	N N		Un	Tcc	1.5	2,819	123.05	L
	D	8-----55			440	R 14							f110	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data	
										Description	Distance above or below lsd (feet)				
T. 6 N., R. 9 W.--Continued															
6N/9W-33N1	GS	2-19-64	J. Fendell			12	S E		Dm	Tcc	0	2,856	102.35		
FC-8954A	FC	11-14-58					S E		Dm	Tc	0			93.5	
	FC	10-23-59												102.2	
	FC	11-23-60												100.0	
33P1	GS	2-19-64	J. Fendell	1964	1515	R 14	N N		Un	Na		2,860		L	
	D	3-5-53	S. C. Turner	1953	370	R 14				Tc	1.0				
33P2	GS	2-19-64	Feleciano		200	12	T 25		Ir	Hpb	.2	2,858	ell14.8		
	DWR		Gottlieb Scholl				T 25		Ir				106.8		
33R1	GS	2-19-64			123.4	8	J N		Ds	Tc	.6	2,857	dry	W	
33Z1	GS	2-19-64	Blua & Rizzo Ranch			12	N N		Ds			2,824	70.77		
	DWR-33A	11-15-51	J. A. Carlos						Dm	Tc	1.15				
33Z2	GS	2-19-64	Blua & Rizzo Ranch			12	N N		Ds			2,823	71.26		
	DWR-33C	11-15-51	J. A. Carlos						Un	Tc	0				
34N1	GS	2-20-64	D. Leadbetter	1908	475	12	T 25	454	Ir	Hpb	2.0	2,857	(a)	P, W	
	O	1-5-64													
34R1	GS	2-20-64	Lee				T E		Ir	Bph	1.0	2,860	141.80	C	
	DWR	11-29-56	C. Franklin		314		T 30		Ir				133.0		
35A1	GS	2-20-64				12	L N		Un	Tcc	1.0	2,825	138.67		
35B1	GS	2-7-64				8	S E		Un	Tcc	1.2	2,811	128.32		
35H1	GS	2-20-64				8	S E		Dm	Na		2,845			
35H2	GS	2-20-64	Namon Weeb	1952	198	R 8	S E		Dm	Tap	1.2	2,837	137.96		
35N1	GS	2-20-64				12	T E		Ir	Hpb	1.0	2,865	(a)		
	DWR-35A	11-13-51			208				Ir				cl28.54		
35N2	GS	2-20-64				12	T 20		Ir	Hpb	.3	2,860	141.74		
T. 6 N., R. 10 W.															
6N/10W-3D1	GS	1-14-64				16	N N		Un	Tc	.5	2,554	(u)		
4A1	GS	11-21-63	Ring Farms, Inc.			14	N N		Ds			2,552			
	GS	3-5-52		1947	425	14	T 25		Ir	Bpb	1.2		244.94		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 6 N., R. 10 W.--Continued														
6N/10W-4F1	GS	11-21-63	Kent Ranch Co.	1945	270	16	N N		Un	Na	2.5	2,554	206.5	
FC-10156		3-28-45												
4M1	GS	1-13-64	Alpine Buttes Water Co.			16	N N		Un	Bhc	.5	2,555	(e)	
5H1	GS	11-21-63												
	D	7-----52	Kent Ranch Co.	1952	425	14	T 30	450	Ir	Bhc	0	2,552	234.5	C
	O	8- 7-53												
	DWR	12-14-56	Kent Ranch Co.	1953		16	N N	300	Un	Tap	1.3	2,544	(e) 244	C
5H2	GS	1-13-64												
	DWR	12-14-56				16	N N		Un	Tc	.5	2,533	215.50	
6P1	GS	1-13-64												
7D1	GS	1-13-64				16	N N		Un	Na		2,535		
7R1	GS	1-13-64												
					383.2	12	N N		Un	Tc	1.3	2,575	182.69	
7R2	GS	1-13-64												
						6	S E		Un	Tc	1.0	2,575	180.40	
8J1	GS	1-14-64												
						R 14	N N		Un	Na		2,575		
9C1	GS	1-15-64												
FC-10157B		3-28-45	A. Morris Melton			16	N N		Un	Tc	0	2,578	190.66 182.75	
9E1	GS	1-15-64												
FC-10157A		4-24-41					S E T E		Dm Ir	Hpb	.3	2,576	(e) 129.9	W
9E2	GS	1-14-64												
	GS	5-17-55	Charles Weist	1947	258	R 14	T 5 T 60	540	Ps Ir	Na Bhc	.3	2,576	189.68	
9H1	GS	1-14-64	Wallace Henry	1948	219	8	L E		Dm	Tap	1.2	2,593	158.80	
9H2	GS	1-14-64	Wallace Henry	1955	238	8	S E		Dm	Na		2,590		
					219.0	16	N N T 20		Un Ir	Tc Hpb	0	2,586	181.44	W
9K1	GS	1-14-64	Riley Bros.	1948	270	16	T 10 T 10	117	Dm Ir Ir	Na Bhc	2.5	2,596	152.75	W
FC-10157		11-27-40												
9Q1	GS	1-14-64	Riley Bros.			16								
FC-10158		11-27-40												
	GS	5-17-55	C. L. Santos Riley Bros.		320	10	S 1 N N		Dm Un	Tc	1.2	2,598	166.80	W
9Q2	GS	1-14-64												
FC-10168		11-27-40				10								

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point	Altitude of lsd (feet)	Water level below (feet)	Other data
										Distance from lsd (feet)			
										Observation			
T. 6 R., R. 4 N.--Continued													
6W/10W-10M1	CS	1-15-64					N N		Un	Na	2,597		
10Q1	CS	1-15-64			35.7	8	N N		Ds	Tc	2,612	dry	W
	FC-10178	9-23-43			167.0	8			Un			66.5	
13A1	CS	1-15-64			250				Dm	Is	0	nl35	
13G1	CS	1-15-64	H. L. Howard		49.4	8	N N		Dm	Tc	1.2	2,668	44.25
13H1	CS	1-15-64	H. L. Howard		97	8	J E		Dm			2,668	(a)
13J1	CS	1-15-64	H. L. Howard	1964	96.8	6	N N		Un	Tc	1.5	2,678	52.74
13J2	CS	1-15-64	H. L. Howard		118	16	T N		Un	Na		2,681	
13J3	CS	1-15-64	H. L. Howard	1964	97	R	N N		Un	Na		2,674	
13Q1	CS	1-17-64	Jack Perrey	1950	137	8	T G		Dm	Tc	0	2,682	54.38 30
14P1	CS	1-17-64							Un	Na		2,663	
17E1	CS	1-20-64	Summer Haven Ranch			16	T 25		Un	Bhc	1.5	2,590	195.76
	FC-10138	10-23-59				16	T 25		Un			202.7	
17L1	CS	1-20-64	Summer Haven Ranch				S E		Dm	Tap	1.0	2,605	183.24
17N1	CS	1-20-64	Summer Haven Ranch			14	T 75		Un	Tc	1.0	2,605	202.85
	FC-10139	3-29-45	H. Summer	1945		14	N N		Un			132.7	
17N2	CS	1-20-64	Summer Haven Ranch			16	N N		Un	Tc	1.0	2,604	200.06
17P1	CS	1-20-64	Summer Haven Ranch			16	T 25		Un	Tc	1.3	2,610	185.43
18Q1	CS	2-24-64	Herbert S. Nauheim	1950	290	14	N N		Un	Bhc	0	2,595	207.65
	0	1953				14	T 50						W
18Z1	CS	1-21-64	J. M. Schissler		250		N N		Ds			2,583	
	T-115	1920						450					
19G1	CS	2-24-64	Herbert S. Nauheim	1949	324	14	T 50		Ir	Tc	1.0	2,606	222.38
	0	11-53				14	T 75						W
19H1	CS	2-24-64	Herbert S. Nauheim	1954	395		T 40		Un	Tc	.8	2,610	219.92
	0	3-57											W

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance from lsd (feet)			
T. 6 N., R. 10 W.--Continued														
6N/10W-19Q1	GS D	2-24-64 1-18-48	Palmrock Ranch Lanie Zeravica	1948	412	16 R 16	T G		Ir			2,626	(a)	L
20E1	GS DWR	2-24-64 8-12-60	Palmrock Ranch	1947 1947	362 360	16	T G T D		Ir	Tc 0		2,614	(a)	C
20G1	GS	2-24-64	Palmrock Ranch		420	R 16	T 60		Ir	Tap 1.0		2,625	207.96	
20H1	GS	2-24-64	P. A. Pablo & Son				T 100		Ir			2,631	(a)	
20M1	GS	2-24-64	Palmrock Ranch	1954	420	R 16	T G		Ir	Tap 0		2,620	223.79	
20N1	GS FC-8831A	2-24-64 2-9-54	Palmrock Ranch		285.3 310	16 16	N N N N		Un	Tc 1.0		2,632	218.68	W
20P1	GS FC-8831	2-24-64 9-11-40	Palmrock Ranch		260	10 10	N N N N		O	Tc 0		2,637	233.42	W
20R1	GS	2-24-64	P. A. Pablo & Son				S E		Dm	Tc .5		2,645	(e)	
22D1	GS	2-25-64	I. J. Flannery	1949	200	12	T 30		Ir	Hpb 1.2		2,645	168.39	W
22F1	GS	2-25-64	E. A. Quier	1958	250		T 75		Ir	Tap 2.0		2,650	168.97	
22J1	GS	2-25-64			189.9	R 12	N N		Un	Tc .5		2,670	132.95	
22M1	GS	2-25-64					T N		Un	Hpb .3		2,670	178.78	
22Q1	GS	2-25-64	Palmdale Enterprise		188	8	S $\frac{1}{2}$		Dm	Tcc 1.0		2,680	165.31	
22Z1	GS T-117	2-25-64 1920	Bowland		181		N N	675	Ds			2,661	75	
23D1	GS	2-25-64	Mrs. Manson				T G		Dm	Hpb .3		2,665	115.54	
24B1	GS	2-26-64			63.8	12	N N		Un	Tc 1.2		2,697	61.64	
24G1	GS	2-26-64				12	T N		Un	Tc -.4		2,707	164.50	
24H1	GS	2-26-64	Harold Harper		100		T 5		Dm	Na		2,711		
24J1	GS	2-26-64			57.4		N N		Ds	Tap 1.9		2,723	dry	
24K1	GS	2-25-64	Jack Harper			12	T G		Un	Tc 1.0		2,716	65.73	
24N1	GS	2-26-64	Lewes Ranch			8	T 2		Dm	Na		2,715		

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Distance above or below (feet)	Description			
T. 6 N., R. 10 W.--Continued														
6N/10W-24P1	GS	2-26-64	Lewes Ranch	1950	300	14	T 40		Un	Tap 0		2,722	(h)	
24Q1	GS	2-26-64			74.7	6	N N		Un	Tc	1.3	2,727	66.58	
24R1	GS	2-26-64	F. Bulrice		265		S 1		Dm	Tap	2.0	2,731	59.88	
25D1	GS	2-26-64	H. R. Orton		400	16	J E		Dm	Na		2,718		
25M1	GS	2-26-64	John Mayes	1949	258	R 12	T N		Un	Tc	0	2,731	77.43	
	DWR-25A	11-14-51				12			Ir				60.56	
26R1	GS	2-26-64					N N		Ds	Tc	1.0	2,744	dry	
	FC-8892A	9-12-40	J. N. Nesbit		45	D 36	N N		Ds				dry	
27B1	GS	2-25-64			168.9	16	N N		Ds	Tap	.5	2,676	dry	W
	FC-8871A	9-11-40					T	126	Ir				161.85	
	GS	5-17-55	McCaleb	1918	400		T 3		Dm					
27B2	GS	2-25-64					T N		Un	Na		2,675.3	162.3	W
	FC-8871B	9-11-40					T E		Ir	Bpb	.7			
27B3	GS	2-27-64			168.1	12	N N		Ds	Tc	1.4	2,678	dry	W
	FC-8871C	9-11-40				12	N N		Un				163.3	
27C1	GS	2-25-64				12	N N		Un	Tc	0	2,673	177.92	
27F1	GS	2-27-64	5-D Ranch						Ir	Na		2,692		
28E1	GS	2-27-64	Mrs. Montgomery	1957	259	12	S E		Dm	Tap	1.0	2,664	6197.63	
28F1	GS	2-27-64	H. J. Ward	1956	300	R 8	T 10		Ps	Tap	1.2	2,668	188.84	
28J1	GS	2-27-64				6	S E		Un	Na		2,685		
28Z1	GS	2-27-64	J. Hintermann		175		N N		Ds			2,654	125	
	T-116	1920					L W							
29A1	GS	2-27-64	Sun Village Water Improvement Co.		408	10	N N		Un	Tcc	1.2	2,650	208.89	
	FC-8841	10- 9-57				10			Dm					
29D1	GS	2-27-64	Sun Village Water Improvement Co.	1957	330	R 12	T 20	225	Ps	Na		2,633.5		L,P
	D	5---57							Dm					
	FC-8831B	6- 3-57							Un	Na		2,635		
30A1	GS	3- 5-64				8	T 2		Un	Na				

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) (feet)			
T. 6 N., R. 10 W.--Continued														
6N/10W-30A2	GS 0	3- 5-64 6-----63	Leivin Crowe		287	8	S $\frac{1}{2}$		Dm	Tcc 1.3	2,627	(a) 180		
30H1	GS	3- 5-64	Antelope Valley Center Water Co.			12	S E		Ps	Tc 1.0	2,640	171.09		
30H2	GS	3- 5-64					T E		Ps	Tap .8	2,642	(a)		
30J1	GS	3- 5-64	J. Carbo	1955	205	6	S E		Un	Tcc 1.5	2,649	165.76	L	
	D	1----55				C			Dm			1162		
	D	1-----55							Dm			141		
30J2	GS	3- 5-64	L. Blaie		380	10	S E		Ps	Tc 1.2	2,650	170.76		
30J3	GS	3- 5-64	Hitch Trailer Court	1955	352	R 8	S 3	1,500	Ps	Tcc 1.2	2,650	158.89	L	
30R1	GS	3- 5-64	Jackie Robinson Park			12	S E		Ps	Tap .4, 2	2,660	151.45		
31A1	GS 0	3- 6-64 1956	Antelope Center Auto Wrecking Yard	1956	250	6	T 5		Dm	Tap .8	2,674	131.74 75		
31H1	GS	3- 6-64				R			Un	Tap .9	2,678	(h)		
31Q1	GS	1- 8-64	Little Rock Irr. Dist., Well 6			10	T 20		Un	Tc 1.3	2,705	134.30	P	
	P FC-8824	5-31-56 7-25-56	Little Rock Irr. Dist.	1955	384	C 14	N N	1,025	Un					
32B1	GS	3- 6-64				8	J E		Dm	Tc 1.0	2,675	162.40		
32E1	GS FC-8833A	3- 6-64 9-11-40	Shadow Mt. Water Co. McAlester		600	12	S E T		Ps Un	Tcc 0 Hpb 1.0	2,684	154.0	C, W	
32F1	GS FC-8833	3- 6-64 9-11-40	McAlester	1927	700	16	N N L W		Un Dm	Tc 1.5	2,692	136.80	L, W	
32F2	GS	3- 6-64	Richard Fix	1954	237				Dm	Na	2,684			
32H1	GS FC-8843	3- 6-64 1- 6-58	Sun Valley Baptist Church	1958	160	8 C 8	N N		Dm Dm	Na Tc 1.0	2,692.5	110.5	L	
32J1	GS	3- 6-64	Sunnyville Water Co.			12	S E		Ps	Na	2,695			
32Q1	GS FC-8844	3- 6-64 9-11-40			50.7	16	N N		Ds Un	Tcc 2.0 Tc 2.0	2,724	dry 76.95 77.00 72.6 dry		
	FC	11-26-40					N N							
	FC	4- 9-41												
	FC	11-25-41			75.0									

See footnotes at end of table

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Distance from top of well (feet)	Altitude of top of well (feet)	Water level below top of well (feet)	Other data
T. 6 N., R. 10 W.--Continued													
6N/10W-32Q2	GS FC-8844A	3- 6-64 11-29-40	L. L. Sheldon		82	13	N N		Ds Ds	Tc 2.0	2,727	dry dry	
33A1	GS FC-8862	2-28-64 10- 9-57	Sun Village Water Improvement Co.	1946	155 138	10 10	T 7½	1,665 138	Ps Dm	Na	2,704		
33P1	GS	3- 6-64				10	N N		Un	Tc 1.0	2,732	96.19	
34D1	GS	2-27-64	Sun Village Water Improvement Co. Well 3.			8	T 20		Ps	Tap 1.5	2,706	(a)	L
FC-8862A	FC FC FC	10- 9-57 11-14-58 10-26-59 11-23-60	Sun Village Water Improvement Co.	1954	300	C 8	S 20		Dm	Tc 1.5		124.5 129.8 127.7 125.1	
34F1	GS D	2-27-64 10- 3-55	Sun Village Water Improvement Co.	1955	245	10 R 10	T E	250	Ps	Tap .3	2,729	nl30.7	L, P
34G1	GS	2-22-64	Sun Village Water Improvement Co.			12	T 25		Ps	Na	2,740		
34K1	GS	3- 9-64	D. Montgomery	1955	170	10	S E		Dm	Tap 1.0	2,740	131.43	
35A1	GS	3- 9-64	W. L. Carlton			10	S E		Un	Tc 1.0	2,750	68.70	
35A2	GS	3- 9-64					S E		Dm	Tec 1.0	2,747	(a)	
36D1	GS	3- 9-64	W. L. Carlton			8	L N		Un	Tc 1.5	2,759	68.01	
36M1	GS D FC-8884	3- 9-64 1954 7-31-56	Sonny Burgin	1954	210	8 C 8	T E J E		Dm Dm	Tap 1.5	2,772.5	51.46 fl42 42.0	L
T. 6 N., R. 11 W.													
6N/11W-1B1	GS D SCE	11-19-63 6-10-55 12-27-57	Crestmore Village Water Co.	1955	460	14 R 14 14	T 75 T 50	1,665 138	Ps	Tap .5	2,500	(a)	C, L, P
3D1	GS D	10-30-63 1955	L. W. Sapp	1955	450	R 8	E		Dm	Na	2,484	317.5	L
3E1	GS	10-29-63	F. J. Michiels			R 14	N N		Un	Tc .3	2,491	297.1	W

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 6 N., R. 11 W.--Continued													
6N/11W-3E2	GS 10-29-63 D 2-8-60 SCE 10-9-63		F. J. Michiels	1960	700	R 16	T 75	2,200 800	Ir	Tap 1.0	2,493	a317.7	L,P,W
3V1	GS 10-30-63		Baker				T 100		Ir	Na	2,495	(h)	
3P1	GS 10-29-63		S. Seminario	1949	600	14	T 100		Ir	Na	2,504		
4C1	GS 12-18-63 FC-10045A 12-5-42		USAF (U.S. Air Force)			N	N N T 40		Un Ir	Na Bpb 1.0	2,480	147.0	W
4P1	GS 12-18-63		USAF		253.8	13	N N		Ds	Tc 0	2,486	dry	
4H1	GS 10-29-63 SCE 10-12-54 SCE 12-7-55		F. J. Michiels	1936	722	R 20	T 125	1,544 1,414	Ir	Tap .7	2,489	304.7	L,P
4N1	GS 12-18-63		USAF			16	N N		Un	Tc 0	2,492	281.74	
5A1	GS 12-17-63 FC-10045 11-18-39		USAF Lyons Bros.		343.9	14 14	N N T		Un Ir	Tap .5 Bpb 0	2,477	279.17	C,W
5B1	GS 12-18-63		USAF		405.5	12	N N		Un	Tc 0	2,476	270.07	
5D1	GS 12-17-63		USAF		350	12	T 60		In	Tc 0	2,476	260.29	
5N1	GS 12-18-63 DWR-5B 2-4-47		USAF Mrs. Fredine	1945	504	14 R 14	N N		Un Ir	Tc .3	2,499	274.41	L
5Z1	GS 12-18-63		USAF				N N		Ds		2,473		
5Z2	GS 12-18-63		USAF				N N		Ds		2,473		
5Z3	GS 12-18-63		USAF				N N		Ds		2,493		
6G1	GS 12-17-63 D 7-21-53		USAF North American Aviation, Inc.	1953	599	14 R 14	T 100		In	Ls 0	2,485	268 f241	L,P
	P 7-29-53							420					
6H1	GS 12-18-63 SCE 5-14-63		North American Aviation, Inc.				T 100	829	In	Ls 0	2,483	266	P
6H2	GS 12-18-63		North American Aviation, Inc.			14	N N		Ds		2,484		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 6 N., R. 10 W., S. 20 E.														
6N/11W-6K1	CS	12-16-63	USAF		600	14	N N		Un	Tc	0.4	2,485	257.58	
6L	CS	12-18-63	North American Aviation, Inc.			10	T 30		In	Hpb	.8	2,490	259.48	
6C	CS	12-10-63	USAF			N	N N		Ds			2,502		
	D	12-25-63		1925									197	
FC-10016	FC	11-25-41	Mike Murtau	1925	277	C 7	L E	315	Dm	Tc			154.1	
	FC	12-5-41											158.8	
	FC	12-13-41											163.8	
													dry	
62E	CS	12-17-63	USAF				N N		Ds			2,500		L
	T-10	12-22-15	F. Junquist	1915	445	C 10	N N	400		Tc	.5		153.0	
	FC-10016A	11-25-41											154.1	
	FC	12-5-42			160								dry	
622	CS	12-18-63				N	N N		Ds			2,490		
72	CS	12-18-63	USAF		241.0	10	N N	3/4	Ds			2,537.5	152.3	L, W
722	CS	12-18-63	USAF			N	N N		Ds			2,505		
8E1	CS	12-18-63	USAF			C 12	N N		Ds			2,512		L, W, P
	D	11-29-24	C. M. Webb	1924	451			585		Tc	0		168.93	
FC-10027		11-17-42			451									
8R1	CS	12-19-63	R.E.A. Rancho			R 16	T 75		Ir	Na		2,522	169.95	W
	DMR-8A	8-18-40								Hpb	1.0			
8R2	CS	12-19-63	R.E.A. Rancho	1946	708	R 16	T 75		Ds	Tc	.2	2,522	(h)	
	FC-10038A	8-18-40				10	N N		Un					
8R3	CS	12-19-63	R.E.A. Rancho									2,523	196	L, P
	DMR-8F	2-27-47												
	DWR	8-17-56												
8R4	CS	12-19-63	R.E.A. Rancho		0	5	N N		Ds	Tc	2.0	2,524		
	FC-10048	2-19-43			3.0	5			Ds					
8R5	CS	12-19-63	R.E.A. Rancho		0	5	N N		Ds	Tc	2.0	2,524	dry	
	FC-10048A	2-19-43			48.0		N N		Ds					
8R6	CS	12-19-63	R.E.A. Rancho		0	5	N N		Ds	Tc	2.0	2,524	dry	
	FC-10048B	2-19-43			93.0		N N		Ds					

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of lsd (feet)	Water level below (feet)	Other data
T. 6 N., R. 11 W.--Continued													
6N/11W-82L	GS	12-18-63	USAF			N	N N		Ds		2,520		
9F1	GS FC-10057	10-31-63 11-27-40	Elmer Benson				T 75 T 50	990	Ir	Bpb 0.2	2,505	285.6	W
9H1	GS WRB	12-16-63 1953	W. R. Smith Chas. C. Carr	1948	500	14	T 75 60	784	Ir	Tap Ls 0	2,513	k307.91 a230	
9K1	GS	10-31-63					N N		Ds		2,517		
9P1	GS WRB WRB	10-31-63 8----56 8----56	T. Ive J. A. Pendley	1946	652		T 100 T 100		Ir	Hpb Tc 0	2,523	340.4 257 a278.5	
9Q1	GS WRB WRB	10-31-63 8----56 8----56	W. R. Smith J. A. Pendley	1937	566		T 100		Ir	Na Tc 0	2,526	254.3 a277.5	
10D1	GS T-105 FC-10067	10-31-63 2-6-15 11-27-40	Palmdale Project E. T. Earl	1915	445	C 16 10	T 75	630 675	Ir	Hpb .5	2,508	78	L, W
10L1	GS	10-31-63	Palmdale Project				T 150		Ir	Hpb -1.9	2,518	378.6	
11E1	GS	10-30-63	E. Haddad	1962	478	16	T 125		Ir	Tap .7	2,520	348.0	
11F1	GS	10-30-63	E. Haddad	1948	400	16	N N		Un	Tcc .6	2,525	316.4	
11M1	GS D 0	10-30-63 2-11-60 4----63	E. Haddad	1960	431	R 14	T 125	1,800	Ir	Ls 0	2,523	a308 300	L
12F1	GS	11-20-63	Crestmore Village Water Co. E. J. Ball				N N		Ds		2,537	dry	
12F2	GS 0	11-20-63 1957	Crestmore Village Water Co.		134	12			Ds	Tc 1.0		dry	
12M1	GS FC-10097 GS	11-19-63 11-25-41 5-17-55	E. J. Ball J. W. Jerson		460	14	E	445	Ps	Na Tap 1.0	2,537	266	
12Q1	GS FC-10108	11-20-63 11-25-41	E. J. Ball		207.3 243.4	18 18 16	N N T 40 N N		Ds	Bhc 0 Bpb 1.0 Tc .5	2,540	dry 171.1	W
						18	N N N N		Ds	Tc 0	2,552	176.0	W

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data	
										Description	Distance above or below lsd (feet)				
T. 6 N., R. 11 W.--Continued															
6N/11W-122A	CS	11-20-63	Harper & Paramore				N N		Ds	Tc	0.5	2,560	112.5	W	
	T-163	10- 8-61													
13J1	CS	1-20-64			149.0	8	N N		Ds	Ds	Tc	1.5	2,572	dry	
14C1	CS	8-29-63			.6	4	N N		Ds	Tc	1.0	2,415			
14Q1	CS	8-29-63	Rollin Ranch P. A. Roland	1914	327	12	N N	450	Ds			2,568		L	
	FC-1007 T-113	1914				12	T						fl17		
16H1	CS	9- 2-63	Isley Wedlow	1961	500	R 8	J G		Dm	Na		2,544		I	
16H2	CS	9- 2-63	Isley Wedlow	1955	300	R 8	N N		Ds			2,543	dry		
16J1	CS	5- 8-64	Westaire Mutual Water Co.	1964	630	R 14	N N		Un	Tap	1.5	2,547	319.97	E, L	
16K1	CS	9- 2-63	L. B. Marshal	1958	365	R	S E		Dm	Tcc	1.0	2,543	313.93		
16R1	CS	5- 8-64	Westaire Mutual	1964	0	R	N N		Ds			2,557		E, L	
	CS	3-25-64	Water Co.		m606										
18P1	CS	12-18-63	USAF	1930	113.3	12	N N		Ds	Tc	0	2,561	dry	W	
	FC-10019	11-27-40	Charles Ritchie		507	13	T E			Hpb	1.0		202.5		
18Q1	CS	12-18-63	USAF			N	N N		Ds			2,558		W	
	FC-10019A	9-17-40	William Cliff		448	12	T 60		Ir	Tc	0		199.15		
19E1	CS	11- 7-63	Palmdale Irr. Dist.				T E		Ps	Na		2,583		C, F, W	
	O	6- 2-54	Well 2				T 100								
	SCE	9-25-63	Palmdale Irr. Dist.	1929	473			721							
19E2	CS	11- 7-63	Palmdale Irr. Dist.				T 200		Ps	Na		2,584		L, P, W	
	D	12- 8-60	Well 3A			R 16		2,300					328		
19E3	CS	11- 7-63	Palmdale Irr. Dist.	1960	848		N N		Un	Na		2,584		L, P, W	
	D	5- -48	Well 3			C 16									
	SCE	6-13-58	Palmdale Irr. Dist.	1948	604			1,269					311		
19Z1	CS	11- 7-63	E. F. Graham	1947	413		N N		Ds			2,582		W	
	WRB	1953													

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 6 N., R. 11 W.--Continued														
6N/11W-20A1	GS	11- 4-63	Desert Aire Golf Course	1960	600	R	T 50		Ir	Hpb 1.9		2,564	316.1	
20G1	GS	11- 4-63			600	16	N N		Un	Na		2,568		L,P
	D	1928		1928	297	C 16								
	D	5-23-46	Palmdale Irr. Dist.	1946	600	C								
	O	1955	Well 5							Is 0			285	
20G2	GS	11- 4-63	Palmdale Irr. Dist.				T G		Ps	Na		2,568		P,W
	WRB	8-13-56	Well 10			16	T G	767	Ps				285	
	SCE	9-26-63	Palmdale Irr. Dist.	1956	694									
20W1	GS	11- 7-63	Palmdale Irr. Dist.				T E		Ps	Is 0		2,582	284	P,W
	WRB	12-21-56	Well 8											
	SCE	9-25-63	Palmdale Irr. Dist.	1943	500			544						
20P1	GS	11- 7-63			275.0	12	N N		Ds	Hpb .5		2,581	dry	W
	FC-8731	4-28-41	Mrs. F. C. Smith	1939	400		T D						209.65	
	O	2-27-57					T 50							
20R1	GS	11- 7-63			0	18	N N		Ds	Tc 1.0		2,581	210.35	
	FC-8731A	4-28-41	Albert Coons		226.0	18	L W						212.65	
	FC	12- 2-41											219.15	
	FC	11-21-42											224.2	
	FC	12-13-43											dry	
	FC	4- - - - 47			226.0									
20R2	GS	11- 7-63			0	12	N N		Ds			2,580	a241.65	W
	FC-8731C	5-24-49	Albert Coons		300	12	S		Dm	Tc .7				
20Z1	GS	11- 7-63					N N		Ds			2,581	150	L
	D	1914	C. Mason	1914	240	C 10	N G	162						
21C1	GS	11- 4-63	P. M. Gregory	1921	350	12	S ½	675	Dm	Tap .4		2,557	300.6	C,L,W
	D	2-17-21				C 12								
21E1	GS	9- 5-63	Palmdale Irr. Dist.			16	N N		Un	Tc .5		2,570	315.75	L,W
			Well 6											
	FC-8740	4-28-41	P. M. Gregory	1926	460	16	T E	675	Ir	Hpb 0				
	D	1926												
21F1	GS	11- 4-63	Palmdale Irr. Dist.			16	T N		Un	Hpb .5		2,573	394.6	L
			Well 7											
	DWR-21C	2-12-47	P. M. Gregory	1944	570	R 16	T D		Ir				280	
	WRB	2-28-57												

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
6N/11W-21N1	CS FC-74A T-107	12-4-63 9-12-40 10-26-17	P. M. Gregory Reliable Mortgage Co. G. B. Otis	1914	502	16 C 16	T 75 T E A	225	Ir	Hpb 2.5	2,588	n165.4	C, W
22Q1	CS D	8-29-63 4-22-52	Westaire Mutual Water Co.	1952	391	14 R 14	S 20	567	Ps	Tec .5	2,594	b371.16	L, P
22P1	CS	4-2-63				11	N N		Un	Tc 1.4	2,607	(h)	
24Z	CS T-114	11-20-63 1920	F. W. Comstock			N	N N L	150	Ds		2,590		
25C1	CS	12-3-63				8	N N		Un	Tap 2.3	2,628	241.73	
25K1	CS	11-20-63	R. N. Harrington	1953			S 1		Un	Tec 1.4	2,643	103.0	
25K2	CS	11-20-63	L. R. Harrington	1960		R 8	S 2		Dm	Tap .6	2,647	162.0	
25M1	CS	11-20-63	W. L. Richardson	1950	225	12	S 3		Dm	Na	2,616		
25N1	CS	11-20-63				8	S E		Dm	Tc 1.7	2,616	172.7	
25Q1	CS	11-21-63	E. MacArthur	1962	328	8	S E		Un	Tap 0	2,656	109.0	
25R1	CS O D	12-6-63 3-15-52 3-17-52	Mrs. A. Ridley		94 v250	C 4	L W		Un	Tap 1.3	2,666	105.57	L, W
26J1	CS FC-8792A	9-5-63 1-5-48	Margaret Hudson L. A. Hudson		200	8	S E L W		Dm	Hpb .7	2,642	172.21	W
26R1	CS FC-8792	9-5-63 11-29-40			0 114		N N N N		Ds	Tc -.5	2,664	114.15	W
27E1	CS	9-3-63				D 48 R 8	N N N N		Un	Tap 0	2,612	217.37	
27R1	CS	9-4-63	Palmdale Trailer Park			10	T 5		Ps	Tap .8	2,656	(a e)	
28D1	CS	11-8-63	Asher	1957	400	8	T 1 1/2		Dm	Tap 1.1	2,598	(h)	
28E1	CS D	11-8-63 1920	Palmdale Irr. Dist. Paul Pierce	1920	0 280	C 12	N N		Ds		2,606		L, W
T-109 FC-8741	T-109 FC-8741	1920 5-24-49	C. Sigfriedson Pierce		237 220.3	12 12	N		Un			73	
28K1	CS	11-12-63		1951		9	N N		Un	Tc .4	2,618	172.6	



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 6 N., R. 11 W.--Continued													
6W/11W-28K2	GS	11-12-63			161.6	8	N N		Ds	Tc 0.8	2,620	dry	
28L1	GS	11- 8-63			228.0	12	N N		Ds	Tc 4.1	2,615	dry	
28W1	GS	11- 8-63	Paul Pierce				T G		Un	Tap 2.5	2,625	110.4	W
	FC-8742	4-28-41					T						
28W2	GS	11- 8-63	George Coffman	1919	260	C 10	N N		Ds		2,617	f126	L
	T-108	1920					L W					63	
	T-108	1920						450					
28Q1	GS	11-13-63	C. A. Monroe	1948	209	4	S 10		Dm	Na	2,634	90	
	0	8-----82					S 10						
29W1	GS	11-12-63			104.6	16	N N		Ds	Tc 1.0	2,622	dry	
	FC-8722A	11-29-43			139.0	16	N N		Ds			dry	
29W2	GS	11-12-63			160	16	N N		Ds	Tc 1.0	2,622	dry	
	FC-8722	11-29-43			164.0	16	N N		Ds			dry	
30L1	GS	11-13-63			0	7	N N		Ds		2,606		
31A1	GS	11-13-63	Grace Baptist Church	1960		8	S E		Dm	Tap 1.1	2,633	220.1	
31H1	GS	11-13-63				10	T N		Un	Na	2,646		
32H1	GS	11-13-63	J. Jobe			10	T 3		Dm	Tc .4	2,633	122.1	
32L1	GS	11-13-63	Palmdale Irr. Dist.			16	N N		Un	Tc .2	2,657	185.5	
32F1	GS	11-13-63	Palmdale Irr. Dist.						Un	Na	2,675		C, L, P, W
	T-111	5----17	Well 9	1917	495	16	T	600		Bpb 0			
	SCE	9-26-63	J. Boyle					433					
32P2	GS	11-13-63	Palmdale Irr. Dist.		400	14	T E	200	Ps	Na	2,674	279	P, W
	SCE	10-11-63	Well 13										
32Q1	GS	11-13-63	J. S. Bartlett	1910	400		T N		Un	Na	2,674	154	
	0	1962								Ls 0			
33B1	GS	11-14-63	R. Garner		197	10	S 7½		Dm	Tc 1.0	2,639	1117.9	
33D1	GS	11-13-63					S E		Dm	Na	2,625		
33H1	GS	11-13-63	Fred Jungi	1945	200	C 8	T 3		Dm	Na	2,650	f93	L
	DWR-33C	2-28-47				C 8			Dm				

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Descriptive	Distance above or below (feet)			
300 W		1-14-61				8	T 20		Un	Na		2,663		
301 W		11-14-61	Audley Harris	1958	320	8	T E		Dm	Na		2,664		
302 W		11-14-63			400	14	T 20		Ps	Tc	0.8	2,654	172.6	
303 W		11-14-63	D. Meaglia				J E		Dm	Tc	.5	2,650	162.1	
304 W	GS	11-14-63			0	6	N N		Ds			2,666		
33P1	GS	11-14-61					T 40		Ir	Hpb	.7	2,667	149.5	
34P2	GS	11-14-63	Chormicle	1953		8	T 3		Dm	Tap	.8	2,670	153.9	
34P3	GS	11-14-63	Pearland General Store			10	T 3		Dm	Na		2,680		W
34P4	FC-8774B	4-28-41	Pete Mikaliunas	1935	295	C 10	L 5		Dm	Bpb	.5		131.9	
34P5	GS	11-14-63	Herman Weaver	1950	0	8	N N		Ds			2,675	120	
34P6	GS	7-31-50			v252	C								
34P7	GS	11-14-63	E. Sterns				J 3		Dm	Na		2,675		
34P8	GS	11-14-63	C. Lierley	1939	200	8	N N		Un	Tc	.5	2,672	153.8	
34P9	GS	11-14-63	C. Lierley	1956	400		S E		Dm	Tec	.7	2,673	152.4	
34P10	GS	11-14-61	C. Lierley	1942	200	8	S 1 1/2		Dm	Tec	.9	2,674	151.1	
34P11	GS	11-14-61				10	N N		Un	Tc	.5	2,665	149.2	L, P
34P12	D	7-22-54	Herman Weaver	1954	300	C 10		17	Dm	Hpb	.2		155.3	
34P13	DWR	9-4-57					T N		Un	Tc	0	2,682	135.3	W
34P14	GS	11-14-61	Thornberg			8	T G		Ir	Bpb	.5		119.55	
34P15	FC-8754A	4-27-41							Ps	Na		2,687		L
34P16	DWR-24B	1-14-63												
34P17	DWR-24B	7-6-61												
34P18	DWR-24B	7-25-47	Roy Christenson	1929	1,098									
34P19	GS	11-14-63			500	16	T 30		Un	Hpb	.4	2,695	151.8	
34P20	FC-8764A	12-4-42			119.0	16				Tc	2.0		(h)	
36G1	GS	11-21-61	Warren Southwest, Inc.	1956	572	12	T 20		In	Na		2,679		C, L, P
36G2	D	1-12-56	Arrow Sand and Gravel Co.			R 12		300						

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Distance below or above (-) (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 6 N., R. 12 W.													
6N/12W-111	GS D FC-10006 FC FC	12-18-63 7-31-57 1-28-58 10-22-59 11-28-60	North American Aviation	1957	581	R 12	T 125	560	In	Hob 0.5 Tap 1.0	2,503	273.50 236.2 252.6 246.5	L,P
1K1	GS SCE	12-18-63 5-15-63	North American Aviation				T 40	63	In	Na	2,505	269	
1Z1	GS	12-18-63	USAF			N	N N		Ds		2,493		
4A1	GS D O	10- 8-63 5-29-50 1953	H. McIntire Jack Manshel McIntire	1950	504	R 12	S 5	1,100	Dm	Na	2,540	288	L,P
4A2	GS	10- 8-63	M. D. Harding		300		S E		Dm	Na	2,533		
4A3	GS O	10- 8-63 8- - -63	McIntire	1957	300		S E		Un	Na	2,534	dry	
4J1	GS	10- 8-63					S E		Dm	Na	2,563		
4J2	GS	10- 8-63					N N		Ds	Na	2,567		
4R1	GS	10- 8-63	Antelope Valley Full Gospel Church				S E		Dm	Na	2,576		
5A1	GS D SCE	10- 8-63 4-20-48 6-26-62	White Fence Farms Well 1 White Fence Farms	1948	460	R 14	T 75	679	Ps	Na	2,533	210	L,P
5A2	GS	10- 8-63	White Fence Farms				E		Ps	Na	2,533		
6B1	GS	10- 8-63	McDonnald		170	4	L W		Dm	Na	2,534		
6A1	GS	7-18-63	Quartz Hill Water Co.		30.0	12	N N		Ds	Tc 0	2,553	dry	
7A1	GS D P	7-31-63 12-15-51 4-19-61	Sunnyside Farms Mutual Water Co. Rosenberg & Young	1951	432 411	R 14	T 40	162	Ps	Na	2,597		L,P
7A2	GS D	7-31-63 10-15-54	Sunnyside Farms Mutual Water Co.	1954	456	R 14	T E	450	Ps	Na	2,589		L,P

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Observation	Distance above or below lsd (feet)			
T. 6 N., R. 12 W.--Continued														
6N/12W-8R1	GS	10- 9-63	White Fence Farms, Well 3				T	100	Ps	Na		2,646		C, L, F
	D	8-21-54	L. W. Peters	1954	630	R	14	900					f330	
	SCE	4-22-64						513						
9H1	GS	10- 9-63	El Dorado Mutual Water Co., Well 1				T	40	Ps	Na		2,610		P, W
	WRB	3- 1-57	El Dorado Mutual Water Co.	1948	660	R	14	408						
	SCE	6-19-57												
9H2	GS	10- 9-63	El Dorado Mutual Water Co., Well 2				T	40	Ps	Na		2,610		L, P, W
	WRB	3-15-57	El Dorado Mutual Water Co.	1952	640	R	14	398						
	SCE	6-19-57												
10C1	GS	10- 9-63	U.S. Government				N	N	Ds	Tc	-0.8	2,587.8	239.2	W
	FC-9966	5-31-40			244.2		12		Un					
	FC	12- 1-43												
11D1	GS	12-19-63	U.S. Government				T	60	Un	Tc	.2	2,565	320.95	
	GS	9-12-63					12	N	Un	Tc	.5	2,595	344.71	
	FC-9978	11- 7-51			500		12	N	Un				283.3	
12M1	GS	12-18-63	Motor Overhaul Co.				T	50	In	Hpb	.8	2,560	310.97	P
	SCE	5-13-63						262						
12R1	GS	12-18-63	Lockheed Aircraft Corp.	1951	800	R	16		In	Tcc	-4.8	2,538	(h) 232	L, P
	D	5-25-51					S	E						
12Z1	GS	12-18-63	USAF				N	N	Ds			2,548		L
	DWR-12A	2-18-47	Carl A. Carnes	1925	418	C	12	N	Un				f135	
13A1	GS	12-16-63	USAF				T	D	In	Ls	0	2,556	325	
13N1	GS	10-23-63	Palmdale Irr. Dist. Well 15	1960	800	R	16	1,750	Ps	Na		2,591		L, P, W
	D	2-12-60	Palmdale Irr. Dist.											
13Q1	GS	12-17-63	USAF		292.4		10	N	Ds	Tc	-.4	2,580	dry	L
	D	9- 3-15			489	C	10						f172	
	T-100	1920	H. C. Fertig	1915	490		10							
13Q2	GS	12-17-63	USAF				N	N	Un	Tap		2.25	328.24	W
	FC-9999A	11- 9-54	U.S. Dept. of Commerce				14	T	Un	Hpb	0			

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 6 N., R 12 W.--Continued														
6N/12W-1321	GS FC-999B	12-18-63 6- 3-57	USAF			14	N N T		Ds Ir	Bpb 0		2,567	310.7	
14R1	GS	10-23-63	Crestmore Village Water Co.				E		Ps	Na		2,594		
15D1	GS	10-23-63	Los Angeles County Waterworks Dist. No. 34				N N		Un	Tcc 1.2		2,633	(h)	L
	D	3-29-50	West Palmdale Development Co.	1950	s510	R 24								
15F1	GS SCE O O	10-23-63 3-20-55 9-28-56 9-28-56	Antelope Valley Country Club				S 100 S 100	820	Ir	Hpb -3.8 Hpb 1.0		2,643	383.7 340.9 a361.8	E
16A1	GS	10-22-63	El Dorado Mutual Water Co.				E		Ps	Na		2,642		L, P
	D	10-12-50	Clarence A. Barker	1950	661	R 14							315	
16D1	GS FC-9938A	10-22-63 1940	Small Oil Co.	1940	450	R	N N		Ds	Na		2,657		
16Z1	GS FC-9938	10-22-63 1940	Small Oil Co.	1940	750	R	N N		Ds			2,654		
17A1	GS D	1-22-64 1956	Sunnyside Farms			R 14	S E		Ps	Tap .5		2,661	423.65 365	L
	FC-9938C	9-25-57	Sunnyside Ranches	1956	780	R 14	N N							
17A2	GS FC-9938B D	10-22-63 1940 1940	Small Oil Co.	1940 1940	0 m900	R	N N N N		Ds			2,665	dry	L
20D1	GS	10- 9-63			0	4	N N		Ds	Tc .5		2,785		
21A1	GS	10-22-63	Los Angeles County Waterworks Dist. No. 34, Well 2			R	T 100	1,900	Ps	Na		2,670		L, P, W
	D	6- 1-50	Marie Wilcox	1950	702	14								
21A2	GS D	10-22-63 11- 6-55	Los Angeles County Waterworks Dist. No. 34, Well 1	1955	708	R 14	T 100	575	Ps	Na		2,674		L, P

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (+) (feet)			
T. 6 N., R. 12 W.--Continued														
6W/12W-2622	GS	10-25-63	W. M. Smith	1908	310	R 5	N N	G	Ds	Dm		2,653	245	
J-153	J-153	1909												
2623	GS	10-25-63	Palmdale Hotel	1896	290	R 4	N N	L W	Ds			2,651	262	
J-120	J-120	1909												
3521	GS	10-25-63	Alpine Plaster Co.	1905	402	R 12	N N	S	Ds	Ds		2,680		
J-155	J-155	1909												
T. 6 N., R. 13 W.														
6W/13W-1F1	GS	8-1-63	E. T. Earl	1919	100	C 6	N N	N N	Ds			2,523	f76	L
T-97	T-97	1920												
2F1	GS	8-1-63	John Hunter	1886	78.0	D 36	N N	2	Ds	Tc	0	2,568	dry	
0	0	1886												
2M1	GS	7-22-63	Godde Bros.	1937	300	10	T 5	12	Un	Tc	1.0	2,725	78.15	
2M2	GS	7-30-63												
T-95	T-95	1-1-20	J. Godde	1920	137	12	N N		Un	Tcc	0	2,654	79.43	f95
			Fred Godde											
2F1	GS	7-18-63	J. Godde	1930	105.0	10	N N		Ds	Tc	1.0	2,702	dry	
2Q1	GS	7-30-63												
2Q2	GS	7-30-63	J. Godde	1938	265	R 8	S E	30	Dm	Tcc	1.0	2,662	b162.53	
0	0													
2Z1	GS	7-30-63	J. Godde	1900	0	N	N N		Ds			2,702		
2Z2	GS	7-30-63	Mrs. Latrell											
2Z3	GS	7-30-63	J. Godde	1915	0	D	N N		Ds			2,679		
2Z4	GS	7-30-63												
2Z5	GS	8-1-63	J. Godde	1915			N N		Ds			2,607		
2Z6	GS	8-1-63												

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point (feet)	Altitude of bed (feet)	Water level below bed (feet)	Other data
68/13-6-7	68	7-1-63		1957			N N		Dr		2,477		
69	68	7-1-63					N N		Dr		2,477		
70	68	7-1-63	W. L. Winward	1950	171	12	N N		Dr		2,564	11	
371	68	7-9-63	Wilfred Fritsch	1956	600		L E		Dr		2,476	116.09	
38	68	7-9-63		1947	100	B	L N		Dr		2,476	46.70	
39	68	7-1-63			0	R H	N N		Dr		2,530		
1001	68	7-13-63	Maully Frazer	1957	420	R B	R B	60	Dr		2,480	84.77	
1001	68	7-13-63	Maully Frazer	1950	180	C B	T B		Dr		2,480	95.64	
1101	68	7-13-63	Mrs. Phoebe Sturman	1940	220	L B	L B		Dr		2,480	113.44	
1101	68	7-13-63	Mrs. A. F. Gable				T B		Dr		2,480	97.12	
1101	68	7-13-63	Mrs. Phoebe Sturman	1943	110	D D	N N	6	Dr		2,487		
1101	68	7-13-63	Mrs. Phoebe Sturman	1950	77	C B	L E		Dr		2,480	46.11	
1101	68	7-13-63	Mrs. Phoebe Sturman	1957	180	C B	L W		Dr		2,487		
1101	68	7-13-63	Mrs. Phoebe Sturman	1958	180		L B		Dr		2,489	77.26	
1101	68	7-24-63		1957	27.5	10	N N		Dr		3,001	dry	
1101	68	7-24-63			1.5	D 42	N N		Dr		2,485	dry	
1101	68	7-24-63			500	B	L N		Dr		2,533	272.50	
1201	68	7-23-63	Franklin Wrightley		135	R 10	N N	60	Dr		2,535		L, P
1201	68	7-24-63	Fred Glick	1927	250	14	N N		Dr		2,563	(u)	W
1201	68	7-31-40		1946	94.4		L		Dr		2,563	233.7	
1201	68	7-10-63	J. Bolz	1951	115	R 6	L 3/4		Dr		2,535	90.46	
1201	68	7-10-63	J. Bolz		80	B	J B		Dr		2,533	(u)	

Use continuation at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 6 N., R. 13 W.--Continued														
6N/13W-12Q1	CS D	7-24-63 7- 5-50	Francis Wrigley	1950	97	R	N N		Ds	Na		2,685	f51	L
12R1	CS D	7-24-63 7-13-50	Francis Wrigley	1950	96	R 10	N N	190	Ds			2,655	f25	L,P
13C1	CS	7-19-63	J. Bolz		110	R 10	L W		Dm	Bhc 1.0		2,887	43.29	
13F1	CS	7-19-63	J. Bolz		23.1	15	N N		Ds	Tc 2.0		2,950	dry	
14A1	CS	7-19-63			20	D	N N		Ds	Tc -5.0		2,950	dry	
14L1	CS	7-23-63	William Plecity				Sl Gr		Dm	Ls 0		3,190	w16	
14L2	CS	7-23-63	William Plecity			D 48	J 3/4		Dm	Tc 1.5		3,073	36.96	
15Q1	CS	7-22-63			42.0	6	N N		Un	Tc 0		3,365	e40	
15Q2	CS	7-22-63				8	N N		Un	Tap 2.5		3,000	51.49	
22F1	CS	7-18-63	Ritter Park Corp.			10	J 1		Dm	Na		3,076		
22F2	CS	7-18-63	Ritter Park Corp.			3	N N		Un	Tc 1.0		3,090	22.76	
22F3	CS	7-22-63	Ritter Park Corp.			8	N N		Un	Tc 0		3,090	20.87	
23C1	CS	7-23-63				7	L W		Dm	Na		3,000		
23D1	CS	7-23-63	Mrs. Beatrice Thompson		85	12	T 10		Dm	Bhc 1.0		2,922	4.43	
23C1	CS	7-23-63				8	L W		Un	Tc 1.5		2,950	21.06	
23Z1	CS FC-8560	7-23-63 6-25-47	Mrs. Beatrice Thompson Stanfield Thompson		60.0	8	N N L W		Ds Dm	Tc .5		2,930	31.5	W
24L1	CS	7-23-63					L G		Un	Na		2,870		
T. 7 N., R. 11 W.														
7N/11W-2A1	CS D	10-28-63 5- 3-50	Harry L. Cissell	1950	336	12	T 50		Ir	Bhc .5		2,368	m188.40	L
2B1	CS T-83	10-28-63 6-23-16	J. O. Eggen	1916	211.1 301	C 10	N N	540	Un	Tc 1.5		2,367	183.26 f12	L

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Observation	Distance above lsd (feet)			
T. 7 N., R. 11 W.--Continued														
TN/11W-292	CS	10-28-63				11	T 20		Ir	Bhc	1.5	2,368	193.38	
2C1	CS WRB	10-25-63 1-4-57	Wallace Anderson	1947	312	R 12	N N		Un	Tec	1.0	2,367	194.14	
2C2	CS	10-25-63			149.1	11	N N		Ds	Tc	1.0	2,367	dry	
2D1	CS WRB	10-25-63 7-25-56	Ernest Long	1945	312	12 12	T 40	327	Ir	Bhc	1.0	2,365	190.56	P
2E1	CS	10-25-63				12	T E		Un	Tc	1.3	2,368	190.54	
2F1	CS	10-25-63	Mrs. Pavack				T 40		Ir	Na		2,370		
2G1	CS	10-28-63	Reidel			12	T 25		Ir	Bhc	1.0	2,372	e194.65	
2H1	CS	10-28-63				10	L 3		Dm	Na		2,374		
2H2	CS T-160	10-28-63 5-29-21	Rice			10	T 30		Un	Bhc	0	2,374	193.43	W
2H3	CS FC-11397B	10-28-63 8-6-47	Earl Covert			8	N N		Un Dm	Tc	.3	2,374	194.56	
2J1	CS D	10-24-63 3-15-23	M. E. Wilson	1923	105.1 351	12 C 12	N N	630	Ds	Tc	1.4	2,379	dry fill	L
2K1	CS	10-24-63					T 25		Ir	Bpb	2.0	2,377	e200.80	
2K2	CS	10-24-63					T 20		Un	Bpb	1.0	2,376	e n174.0	
2L1	CS	10-25-63			177.9	12	N N		Un	Tc	1.1	2,375	dry	
2L2	CS	10-25-63				12	T 25		Ir	Tc	1.0	2,375	195.90	
2M1	CS D	10-24-63	Alex Burns		336	12	T N		Un	Na		2,378	145	L
2N2	CS J-125	10-24-63 1909	Sam Fletcher	1904	1.0 504	5	N N N N	p67	Ds	Tc	0	2,378	dry (p)	
2N3	CS	10-24-63				12	N N		Un	Tc	1.8	2,378	195.64	
2P1	CS	10-24-63	Garcia			14	S 5		Dm	Tec	1.0	2,381	199.39	
2P2	CS	10-24-63	Garcia		69.5		N N		Ds	Tec	1.0	2,381	dry	
2Q1	CS	10-24-63					T 40		Ir	Na		2,382		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below lsd (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 11 W.--Continued													
7N/11W-2R1	GS T-82	10-24-63 6-5-16	D. V. Surrency M. E. Felt	1916	279	C 6	S E	405	Dm	Tcc 1.0	2,383	e203.40 f14	L
2R2	GS	10-24-63				8	J 1		Dm	Na	2,384		
2R3	GS	10-24-63					T 10		Ps	Na	2,384		
221	GS D	10-28-63 1-9-23	Harry L. Cissell Fred Coltzau	1923	325	C 12	N N	765	Ds		2,368	f12	L
222	GS J-127	10-24-63 1909	Adney Estate	1898	340	3	N N	p31.5	Ds		2,382	(p)	
223	GS T-84	10-24-63 1920	A. Z. Wilson	1907	250	6	N N C		Ds		2,378		
224	GS T-84	10-24-63 1920	A. Z. Wilson	1907	550	6	N N		Ds		2,378		
225	GS J-128	10-28-63 1909	Riedley Adney Estate	1899	400	4	N N		Ds		2,372	(p)	
3B1	GS D	10-29-63 9-5-25	Wallace Hiebert Smith	1925	27.1 302	C 12	N N	585	Ds	Tc 1.4	2,357	dry f20	L
3B2	GS	10-29-63	Wallace Hiebert				N N		Ds		2,357		
3B3	GS	10-29-63	Wallace Hiebert		110.2	6	N N		Ds	Tc 1.0	2,358	dry	
3B4	GS	10-29-63	Wallace Hiebert		300		L 25		Ir	Na	2,361		
3C1	GS WRB	10-29-63 2-28-57	R. J. Scott	1949	318	R 14	T 50		Ir	Tap 1.0	2,360	176.52	
3C2	GS	10-29-63	R. J. Scott	1929	300	12	N N		Un	Tc 0	2,360	176.83	
3B1	GS	10-29-63	R.K.W. Investment Co. G. S. Whitson		315	12	S 1½ T E		Dm	Na	2,362	139.33	
3B2	GS D	10-29-63 2-10-51	R.K.W. Investment Co. Garland	1951	318	14	T 50		Ir	Tap 1.6	2,361	165.20 180	L
3C1	GS	10-29-63	Arch D. Johnston		365	12	T 10		Ir	Na	2,365		
3C2	GS	10-29-63	Arch D. Johnston				T 30		Un	Bpb 1.0	2,365	e n283.0	
3H1	GS	10-29-63	A. H. MacDougall				T 20		Ir	Bpb .5	2,364	(a)	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Distance above or below lsd (feet)	Description			
T. 7 N., R. 11 W.--Continued														
7W/11W-3E	GS	10-29-63	A. H. MacDougall		0.8	12	N N		Ds	Tc	0	2,364	dry	
3H3	GS	10-29-63	A. H. MacDougall			14	N N		Un	Tc	.3	2,364	188.75	
3H4	GS	10-29-63	Loren Worden			12	T 30		Ir	Tap	1.0	2,367	193.20	P
	WRB	1-1-57	A. W. Evans	1945	314		25						164	
	P	1963						190						
3I1	GS	10-30-63	Clyde Kennedy			14	T 50		Un	Bhc	1.0	2,371	187.09	
3I2	GS	10-30-63	Clyde Kennedy			14	N N		Un	Na		2,371		
3I1	GS	10-30-63	Carl Proctor		102.5	12	N N		Ds	Tc	0	2,367	dry	
3I2	GS	10-30-63	Carl Proctor			12	N N		Un			2,368	(b)	
3I1	GS	10-30-63	Carl Proctor	1930	500	12	S 2		Dm	Na		2,373		
3F1	GS	10-30-63	Carl Proctor	1957	500	R 14	T 40		Ir	Bhc	1.0	2,374	203.98	
3F2	GS	10-30-63			100.0	12	N N		Ds	Tc	.3	2,374	dry	
3F3	GS	10-30-63			183.0	12	N N		Ds	Tc	0	2,375	dry	
3F4	GS	10-30-63	Carl Proctor		407	14	T 60		Ir	Bhc	1.0	2,375	(h) 210	P
	WRB	8-21-56						734						
	SCE	11-14-58												
3Q1	GS	10-30-63	George Piercy	1963	530	14	T 60		Ir	Na		2,375		
3Q2	GS	10-30-63	George Piercy		520	14	S 2		Dm	Na		2,375		
3Q3	GS	10-30-63	George Piercy		270.0	14	N N		Un	Tc	1.0	2,375	188.9	
3Q4	GS	10-30-63	George Piercy		112.0	12	N N		Ds	Tc	.5	2,376	dry	
3R1	GS	10-30-63	Clyde Kennedy		300	6	S E		Dm	Na		2,377		
3R2	GS	10-30-63	Clyde Kennedy		555	6	L W		Un	Na		2,377	(p)	
	J-74	1909	C. W. Roberts	1905			N N	p100	Ir					
3R3	GS	10-30-63	Clyde Kennedy		.5	14	N N		Ds	Tc	.5	2,377	dry	
3Z1	GS	10-29-63			302	C 12	N N		Ds			2,363	f22	L
	D	8-21-25	A. C. Hubbard	1925				730						

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 7 N., R. 11 W.--Continued														
7N/11W-322	CS J-232	10-29-63 1909	Tunneson	1895	558	R 4	N N N	p72	Ds			2,364	(p)	
4A1	CS	10-31-63				12	S E		Un	Tec 0		2,357	158.17	
4A2	CS	10-31-63				12	S E		Un	Tc .5		2,357	157.09	
4A3	CS	10-31-63	D. Okimoto		300	6	L N		Un	Tc 5.5		2,357	(h)	
4A4	CS WRB	10-31-63 3-1-57	D. Okimoto	1947	300		T 30		Ir	Hpb 1.0		2,357	(a)	W
4A5	CS	10-31-63				8	S E		Dm	Tec 2.0		2,353	(a)	
4F1	CS	10-31-63	Cox			12	S E		Dm	Tec .5		2,359	136.34	
4G1	CS	10-31-63				12	T 20		Un	Na		2,358		
4G2	CS	10-31-63			245.7	12	N N		Un	Tc 1.0		2,360	148.01	
4H1	CS	10-31-63				8	T 25		Ir	Na		2,360		
4N1	CS 0	10-31-63 9-1-63	E. R. Walton	1953	300	6	S 3		Dm	Na		2,368	120	
4N2	CS J-172	10-31-63 1909	E. R. Walton E. G. Bartlett		1.5	6	N N		Ds Ir	Tc 2.0		2,366	dry	
4P1	CS WRB	10-30-63 10-17-56	Kugel Walter Goodfellow	1947	360	14	T 30	597	Ir	Hpb 1.0		2,368	144.12	C,P
4Z1	CS J-136	10-31-63 1909	Meadow Springs Land and Cattle Co.	1903	300	4	N N N	p13	Ds			2,358	(p)	
5F1	CS B	11-1-63 10-1-56	Cedric Brown Gas and Oil Co. C. E. Brown Gas and Oil Co., Inc. Well 2	1956 2,900 1956 3,040	2,900	R 11	N N		Un T	Na		2,359		
5L1	CS	10-31-63	Leo Casey			8	S E		Dm	Tec 1.0		2,363	104.05	
5L2	CS	10-31-63	Leo Casey		50.0	8	N N		Ds	Tc .5		2,363	dry	
5L3	CS	11-1-63					J E		Dm	Na		2,362		
5L4	CS	11-1-63	Mrs. T. Heflin	1945	147	8	S 1 1/2		Dm	Tc .7		2,362	102.31	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 11 W.--Continued														
7N/11W-5P1	CS	10-31-63												
5P2	CS	10-31-63	E. J. Eby	1963	205	6	S E		Dm	Na		2,365		
5P3	CS	10-31-63	E. J. Eby	1950	120	C 6	S 3		Dm	Na		2,365		
5Z1	CS	10-31-63	Cedric Brown Gas and Oil Co.	1956			N N		Un	Tc	0	2,365	101.99	
	B	6-----56	C. E. Brown Gas and Oil Co., Inc. Well 1	1956 3,434			N N		Ds			2,359		
6A1	CS	11- 1-63												
	CS	10-18-51	R. Owens		84.8	8	J G		Dm	Tc	1.0	2,351	83.63	W
6A2	CS	11- 1-63			150	8	L W		Dm	Tc	.2	2,351	90.15	
6D1	CS	11- 4-63			300	14	S E		Dm	Na		2,347	(n) 63.4	
	DWR	5-14-56					Tcc	0		Tcc	0			
6A1	CS	11- 1-63	C. R. Sarraansingh			6	J 1		Dm	Tc	0	2,351	78.36	
6A2	CS	11- 1-63	C. R. Sarraansingh		1.0	4	N N		Ds	Tc	1.0	2,351	dry	
6N1	CS	11- 4-63	Walter Smith				E		Dm	Na		2,363		
6N2	CS	11- 4-63			4.0	6	N N		Ds	Tc	2.0	2,362	dry (p)	
	J-131	1909	Oliver Miller	1903	500	6	N N	pl1	Dm					
6N3	CS	11- 4-63					T 3		Un	Na		2,366		
6N4	CS	11- 4-63	Walter Smith		10.5	4	N N		Ds	Tc	1.3	2,366	dry (p)	
	T-77	1-----20	Oliver Miller	1905	430	4	C	pl5						
6P1	CS	11- 1-63	J. Ednoff	1920	250	4	N N		Ds	Tc	1.7	2,361	33.30	
	CS	10-18-51					L		Un					
6P2	CS	11- 1-63	J. Ednoff			14	T 15		S	Na		2,360		
6Z1	CS	11- 1-63	Tilden Estate		400	4	N N		Ds			2,363	(p)	
	J-134	1909						p40	Un					
6Z2	CS	11- 4-63	Tilden Estate	1896	320	4	N N	p63	Ds			2,360	(p)	
	J-135	1909												
6Z3	CS	11- 4-63	C. F. Nelson	1919	302	C 12	N N	200	Ds			2,347	f p10	L
	T-76	1920					T							

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 11 W.--Continued														
7N/11W-624	GS J-132b	11- 4-63 1909	Oliver Miller		480	5	N N		Ds			2,361	(p)	
625	GS J-132a	11- 4-63 1909	Oliver Miller		480	5	N N		Ds			2,361	(p)	
626	GS J-133	11- 4-63 1909	Oliver Miller	1905	441	4	N N C G		Ds Ir			2,359	(p)	
627	GS J-133a	11- 4-63 1909	Oliver Miller	1905	530	4	N N		Ds Ir			2,359		
7F1	GS	11- 4-63				14	N N		Un	Na		2,370		
7F2	GS	11- 4-63			253.7	12	N N		Un	Tc	3.0	2,370	94.02	
7J1	GS D	11-13-63 6-21-54	Lancaster Gardens Harwick	1954	130.0 595	R 14	N N		Ds	Tap	.3	2,377	dry	L
7N1	GS	11- 4-63	Ralph Welker	1958	225	6	S E		Dm	Na		2,375		
7N2	GS	11- 4-63	Golden Sands Trailer Park		525		T 30		Ps	Tap	1.0	2,375	150.92	
7N3	GS	11- 4-63				8	N N		Un	Tc	1.0	2,377	97.22	
7F1	GS	11-12-63	Carol Ann Denny		360	8	T 3		Dm	Tc	1.3	2,378	94.43	
7F2	GS	11-12-63	Ralph Welker			8	T 2		Dm	Na		2,377		
7Q1	GS	11- 4-63	Desert Palms Trailer Court				T 7½		Ps	Tap	.3	2,378	166.80	
8N1	GS D	11-13-63 6- 3-62	Aberdydale Water Co.	1962	600	R 14	T 75	1,300	Ps	Tap	2.0	2,372	1185.76	L,P
8N2	GS	11-13-63	Aberdydale Water Co.				T 40		Ps	Bpb	.3	2,372	170.32	
8N1	GS	11-13-63	Macateer	1954	588	12	T 7½		Ps	Na		2,382		
8N2	GS	11-13-63	Mobilodge Trailer Ct.		588	14	T 7½		Ps	Tc	.5	2,384	(e)	
8F1	GS FC-11329	11-14-63 11-10-37	Mae Avery		300	12	N N		Ds	Tc	.4	2,382	c53.5	W
8Q1	GS FC-11339 FC	11-13-63 2-19-43 12-16-43 5-11-44	Bronson		0 285 64.5	120 120	N N T		Ds	Tc	0	2,385	21 22.3 dry	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 11 W.--Continued														
7N/11W- 8Q2	GS	11-13-63					T 3		Dm	Na		2,385		
8R1	GS	11-13-63							Un	Na		2,384		L
	D	9-15-50	B. Luther	1950	154	R 8			Un				28	
8R2	GS	11-13-63	Trails End Trailer Park	1956	245	8	S 5		Ps	Tap	1.3	2,381	115.44	
8Z1	GS	11-13-63	Meadow Springs Land and Cattle Co.	1902	518	4	N N	p50	Ds			2,383	(p)	
8Z2	GS	11-13-63	Meadow Springs Land and Cattle Co.	1903	370	4	N N	p9	Ds			2,383	(p)	
8Z3	GS	11-13-63	Meadow Springs Land and Cattle Co.	1903	260	4	N N	p5	Ds			2,383	(p)	
8Z4	GS	11-13-63	Meadow Springs Land and Cattle Co.	1909		4	N N		Ds			2,385		
8Z5	GS	11-13-63	Meadow Springs Land and Cattle Co.	1909	51	10	N N C G	200	Ds			2,385	22	
8Z6	GS	11-13-63	Meadow Springs Land and Cattle Co.	1902	460	4	N N		Ds	Ir		2,385	(p)	
8Z7	GS	11-13-63	Meadow Springs Land and Cattle Co.	1909	58	5	N N L W		Ds	Dm		2,382	25	
8Z8	GS	11-14-63	Meadow Springs Land and Cattle Co.	1909	460	6	N N		Ds	Un		2,380	(p)	
8Z9	GS	11-14-63	Meadow Springs Land and Cattle Co.	1909	330	4	N N		Ds			2,380	(p)	
8Z10	GS	11-14-63	Meadow Springs Land and Cattle Co.	1909	460	4	N N	pl8	Ds			2,385	(p)	
9C1	GS	11-14-63					T 30		Un	Na		2,375		
9H1	GS	11-14-63				14	T 40		Dm	Bpb	1.0	2,382	x189.97	
9P1	GS	11-14-63	Roy S. Hamilton			6	S E		Dm	Tap	1.0	2,386	136.93	C,W
FC-11349		12-16-53	Hamilton		200	6	S E		Dm					



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point description	Altitude of Isd (feet)	Water level below Isd (feet)	Other data
T. 7 N., R. 11 W.--Continued													
7N/11W-9P2	GS	11-14-63				6	S E		Dm	Tc 0	2,386	192.56	
9R1	GS	11-14-63			0	5	N N		Ds	Tc 5.0	2,390		
10C1	GS	11-15-63					T 50		Ir	Na	2,380		
10C2	GS	11-15-63				14	S E		Dm	Na	2,381		
10D1	GS	11-15-63				12	N N		Un	Na	2,378		
10E1	GS	11-15-63	C. E. Baker			12	N N		Un	Tcc 0	2,383	k173.67	
10F1	GS	11-15-63	C. E. Baker	1948	456	14	T 75		Ir	Hpb 1.5	2,395	200.04	
10F2	GS	11-15-63	C. E. Baker			12	N N		Un	Tc -1.0	2,396	k186.00	
10H1	GS	11-15-63	Pike Ranch				T 50		Ir	Bhc 0	2,390	k206.29	
10H2	GS	11-15-63	Pike Ranch				N N		Un	Na	2,390		
10H3	GS	11-15-63	Pike Ranch				L N		Un	Na	2,390		
10J1	GS	11-19-63	Edward Schramm	1949	450	12	T 40		Ir	Bhc 1.0	2,398	k211.56	
	WRB	8-28-56				R	T 40		Ir			222.6	
	WRB	8-28-56					T 40					a238.2	
10K1	GS	11-18-63	J. R. Webb	1953	456	R 14	T 75		Ir	Bhc 3.0	2,395	n253.9	P
	WRB	1955						74.7					
	WRB	8-28-56											
10N1	GS	11-18-63	Simi Bros. Ranch			12	N N		Ds	Tc 0	2,394	114.0	W
	FC-11369D	9-6-47				12	N N		Un				
	GS	3-6-51	Beccentro	1924	169.0				Un				
10N2	GS	11-18-63	Simi Bros. Ranch				N N		Un	Tc 0	2,394	164.41	
	GS	6-2-52	Beccentro	1949	300	R 12	T 25	450	Ir	Hpb .5		134.48	
10N3	GS	11-18-63	Simi Bros. Ranch				T G		Ir	Tap 0	2,394	n204.7	L, P
	D	12-21-61		1961	505	R 10-3/4		290					
	SCE	6-19-63											
10P1	GS	11-18-63	J. R. Webb	1946	450	14	S 75		Ir	Bhc 0	2,397	212.8	P
	FC-11369C	9-6-47	Webb			R 14	T E	1,170	Ir	Tc 1.0		136.3	
10P2	GS	11-18-63	J. R. Webb			14	S E		Dm	Na	2,398		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 11 W.--Continued														
7N/11W-10Q1	GS D	11-19-63 11-11-46	D. E. Rice	1946	300	R 12	L 1		Un Ir	Bpb 1.5		2,402	204.12	L
10R1	GS WRB	11-19-63 1954	Deutsch & Richler Joe Tarino		548	12	S E		Dm	Tec .5		2,403	k223.86 170	
10Z1	GS J-78	11-15-63 1909	J. R. Webb C. W. Davidson		532	6		p63	Ds Ir			2,389	(p)	
10Z2	GS	11-15-63				N	N N		Ds			2,388		
10Z3	GS FC-11369A	11-18-63 9- 6-47	J. R. Webb Sharp	1925	300	12	N N		Ds Ds			2,398		
10Z4	GS T-169	11-18-63 5-29-21	J. R. Webb C. B. Sharp				N N		Ds	Tc 0		2,396	19.0	W
10Z5	GS J-281 J-281	11-18-63 1906 1909	J. R. Webb C. N. Reid	1906	659	N 8	N N	p198	Ds			2,398	(p) (p)	
10Z6	GS FC-11369B	11-18-63 9- 6-47	J. R. Webb Webb	1918	332	N 10	N N	630	Ds Ds			2,394	f31	L
10Z7	GS J-90	11-19-63 1909	C. N. Reid		500	4	N N		Ds Dm			2,395		
10Z8	GS J-76	11-19-63 1909	Simi Bros. Ranch C. N. Reid		515	6	N N	p72	Ds Ir			2,390	(p)	
10Z9	GS J-171	11-19-63 1909		1906	550	6	N N C G	p108	Ds Ir			2,385	(p)	
10Z10	GS J-75	11-19-63 1909	C. N. Reid		556	6	N N	550	Ds			2,401	(p)	
11A1	GS	11-21-63	East Side Union School	1960	490	R 13	T 25		Ps	Tap 1.0		2,386	(a)	
11A2	GS	11-21-63	East Side Union School		0	12	N N		Ds			2,386		
11A3	GS	11-21-63			303.2	12	N N		Un	Tc 1.3		2,391	k205.37	
11A4	GS T-87	11-21-63 1-15-20	George Edwards	1919	14.9 225	6 8	N N		Ds	Tc 1.0		2,391	dry 17.8	
11A5	GS	11-21-63					T 30		Un	Bpb .8		2,391	e175	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) lsd (feet)			
T. 7 N., R. 11 W.--Continued														
7N/11W-1101	GS	11-20-63	Mrs. Juhnke			6	J 3		Dm	Na		2,383		
1102	GS	11-20-63					S E		Dm	Tc	1.0	2,380	(e)	L
	FC-11388A	8-30-56	Vernon Barkley	1955	340	R 6			Ir				f170	
1103	GS	11-20-63	Vernon Barkley		264.2	12	N N		Un	Tc	.3	2,387	k193.17	
1101	GS	11-19-63					J 5		Un	Tap	.5	2,382	e187.29	
1102	GS	11-19-63			21.9	6	N N		Ds	Tc	1.0	2,382	dry	
1103	GS	11-19-63					T N		Un	Bpb	1.0	2,387	(h)	L
	DWR-11A	4-8-47	E. L. Patterson	1924	306	12	T 20	630						
1101	GS	11-20-63				14	T 40		Ir	Tc	.3	2,391	k239.76	
1101	GS	11-20-63	C. Deaton	1951	300	10	T 30		Ir	Tc	1.0	2,393	(e)	
1102	GS	11-20-63	C. Deaton		0	N	N N		Ds			2,393		
1101	GS	11-20-63	H. Hagidone	1923	365.5	10	N N		Un	Tc	1.0	2,395	k212.70	
1102	GS	11-20-63	H. Hagidone		3.7	6	N N		Ds	Tc	5.0	2,395	dry	
1101	GS	11-20-63	Myer Hochman	1959	300		T 10		Dm	Tap	3.0	2,400	218.89	
1102	GS	11-20-63					T 40		Un	Bpb	.8	2,400	(e)	
	WRB	5-29-52	E. A. Delight		520	12	T 40	417		Tc	0		179	
	WRB	9-23-53					T 40						201.5	
1101	GS	11-19-63	R. Hathaway		1,240		T G		Ir	Bpb	2.0	2,405	e238	
1102	GS	11-19-63					L 3		Dm	Na		2,405		
1103	GS	11-19-63	R. Hathaway			16	N N		Un	Tc	2.0	2,405	209.66	
1101	GS	11-20-63	H. C. Shafer				T 60		Ir	Bpb	0	2,404	e n221	L
	D	1-18-47		1947	450	R 14	T 60		Ir	Tf	0		115	
	GS	11-26-51	E. Rice				T 60	900	Ir				152.36	
	GS	3-4-52											145.38	
1102	GS	11-20-63	C. H. Shafer			12	N N		Un	Tcc	1.0	2,404	k220.73	
1101	GS	11-21-63				10	T 30		Ir	Na		2,410		
	WRB	9-17-46	E. A. Peterman	1939	465		T 25	292					130	
	WRB	3-27-52											154.2	
	WRB	4-----55											1195	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data		
										Description	Distance above or below (feet)					
T. 7 N., R. 11 W.--Continued																
7N/11W-14G1	CS	11-21-63	E. A. Peterman	1947	556	12	T 50	769	Ir	Tap	1.0	2,415	k231.15 a163	P		
	WRB	4-28-48													Tc	1.0
	WRB	2-26-52														
	WRB	2-17-57														
14H1	CS	11-21-63	Conley		402		T 40		Ir	Na		2,415	185.2			
	WRB	2-21-56	F. O. Beardslee										200			
	WRB	10-19-56											225			
	WRB	10-19-56											a252.4			
14H2	CS	11-21-63	Conley		160.5	8	N N		Ds	Tcc	.5	2,415	dry			
14J1	CS	11-21-63	Mrs. L. B. Winkle	1957	627	14	T 60		Ir	Na		2,420				
14J2	CS	11-21-63	Mrs. L. B. Winkle	1938		12	S 1½		Dm	Tc	.5	2,420	232.76			
14H1	CS	11-22-63	W. R. Smith		600	14	T 50		Ir	Bpb	.6	2,427	e214	W		
	WRB	2-27-57														
14P1	CS	11-21-63	W. R. Smith	1949	600	14	S E		Dm	Tcc	.8	2,425	e227	L, W		
14P2	CS	11-21-63	W. R. Smith		500	14	N N		Un	Tc	2.0	2,425	k238.10			
15A1	CS	11-19-63	Deutsch & Ricler Phillip Cook	1950	620	C 14	T 75		Ir	Tap	1.0	2,410	k223.89	L, W		
	D	5-15-50														
15C1	CS	11-26-63	Simi Bros. Ranch	1963	613	R 16	T G	1,006	Ir	Na		2,403		P		
	SCE	6-19-63														
15D1	CS	11-26-63	Simi Bros. Ranch	1946	350	8	T 5		S	Na		2,394				
15D2	CS	11-26-63	Simi Bros. Ranch		90.0	6	N W		Ds	Tc	0	2,394	dry			
15D3	CS	11-26-63	Simi Bros. Ranch	1963	613	R 16	T G	2,350	Ir	Na		2,400		L, P		
	D	1-7-63														
15D4	CS	11-26-63	Simi Bros. Ranch				T 7½		Ir	Na		2,400				
15F1	CS	11-26-63	Simi Bros. Ranch	1930	385	12	T 5		Dm	Na		2,409				
15G1	CS	11-26-63	Simi Bros. Ranch	1961	609	R 13	T 100		Ir	Na		2,415		L		
	D	12-30-61														
15H1	CS	11-26-63	Simi Bros. Ranch		0		N N		Ds			2,415				
	WRB	6-2-56														
					450		T 100	237								

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Distance above or below lsd (feet)	Description			
T. 7 N., R. 11 W.--Continued														
7W/11W-15H2	GS	11-26-63	Simi Bros. Ranch		600	17	N N		Un	Na		2,415		
1521	GS	11-26-63					N N		Ds	Tc	0.8	2,415	179	P
	WRB	10- 1-46	Simi Bros. Ranch	1946	400	R		1,412					236	
	WRB	6-20-52												
	WRB	6- 5-56												
16A1	GS	11-27-63					T E		Ir	Na		2,398		
16B1	GS	11-26-63			.3	6	N N		Ds	Tc	.5	2,392	dry	C,W
FC-11359		12- 6-43	Hoelzle Ranch				L W		Dm	Tf	.5		82.2	
16B2	GS	11-27-63				10	N N		Un	Tc	1.0	2,396	171.53	L
T-81		4-10-16	W. W. Wurzbager	1916	303	C 10		450					f25	
DWR-16C		2-24-47				10			Un					
16B3	GS	11-27-63			150.3	6	N N		Ds	Tc	.1	2,396	dry	
16D1	GS	11-27-63				8	J N		Un	Na		2,390		
16D2	GS	11-27-63	Loreille	1951	150	6	J 2		Dm	Tc	1.0	2,395	108.97	
16D3	GS	11-27-63	Westfield	1962	300	R 6	S E		Dm	Tap	1.0	2,390	(e) 160	
16H1	GS	11-27-63	P. G. Schroeder		364.5	11	N N		Un	Tc	1.0	2,403	k192.40	L
D		2- 5-24	Harry Crismer	1924	400	C 10		675					f20	
DWR-16D		7-18-57				10							165	
FC-11359C		9-25-57	P. G. Schroeder				N N		Un				162.7	
16H2	GS	11-27-63	P. G. Schroeder	1953	395	R 12	T 40	630	Ps	Tap	.5	2,403	k207.95	L,P
D		6-26-53					T 40						194.9	
FC-11359B		9-25-57											(e)	
16H3	GS	11-27-63				12	T 40		Ir	Tc	.5	2,403		
16K1	GS	11-29-63		1963			S E		Dm	Na		2,407		
16K2	GS	11-29-63	Alvin Little			8	S E		Dm	Na		2,403		
16L1	GS	11-29-63				10	J $\frac{1}{2}$		Un	Tc	0	2,407	(e)	L
D		12-20-24			402	C 10		585	Un				f42	
GS		10-18-51	B. Provozano	1924	402	10							113.73	
GS		11-14-51											113.54	
16L2	GS	11-29-63			0		N N		Ds			2,403		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Descrip- tion	Distance above or below (feet)			
T. 7 N., R. 11 W.--Continued														
7N/11W-16M1	CS D	11-29-63 4-12-62	J. L. Ranch Mrs. J. B. Brice	1962	400	R 9	T 30	575	Ir	Tap 1.5	2,405	e194.5	L, P	
16M2	CS	11-29-63	J. L. Ranch				N N		Ds		2,405			
16M1	CS	11-29-63					T 25		Un	Na	2,408			
16P1	CS	11-29-63					N N		Un	Na	2,415			
16P2	CS WRB WRB WRB	11-29-63 1954 1955 1956	C. K. Niblack	1952	500	R 14	N N		Un	Tc .5	2,415	e189.05 a170 a175 a180	L	
17A1	CS D	12- 3-63 5-15-63	D. B. Dunsmore	1963	400	R 6	S 3		Dm	Tc 1.0	2,391	117.70	L	
17B1	CS D	12- 3-63 9-17-62	DuFrene Bros.	1962	250	R 6	S E		Dm	Tap 1.0	2,387	105.21 113	L	
17B2	CS	12- 3-63	Ora Anderson	1953	200	6	S E		Dm	Na	2,386			
17D1	CS D	12- 3-63 7- 6-54	John Bonino	1954	500	R 14	T 35	1,400	Un	Hpb 1.5	2,392	190.37	L, P	
17E1	CS CS CS	12- 3-63 11-27-51 10-24-61	Mert Lewis	1932	510	R C 14	S E S 5		Dm Ir Dm	Tc 0	2,396	e199.12	L, W	
17E2	CS	12- 3-63			618	R 12	N N		Un	Tc 1.0	2,395	191.14		
17F1	CS D	12- 3-63 10-12-25	Thomas Wood	1925	401	C 12	N N	720	Un	Na	2,397	r40	L	
17F2	CS	12- 3-63					T 50		Un	Na	2,394			
17H1	CS WRB WRB	12- 2-63 3- ---48 10- 5-56	D. B. Dunsmore	1937	500	10	J E T 30 T 30		Dm	Tap .5	2,397	198.19 a135 a223		
17J1	CS	12- 2-63	B. Burekly		500	14	T 40		Ir	Hpb 1.0	2,403	k206.82		
17J2	CS	12- 2-63	B. Burekly				L 1½		Dm		2,403	(a)		
17L1	CS	12- 2-63					T 40		Un	Na	2,399			
17M1	CS	12- 2-63			1.0	8	N N		Ds	Tc 0	2,396			

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 11 W.--Continued													
7N/11W-17M2	GS	12- 2-63				6	J N		Un	Tc 1.0	2,394	89.00	
17M1	GS	12- 2-63	M. Billett Smith Bros.	1944	589	14	T 50		Un	Na	2,406		L
12- ---44	D												
11-27-51	GS						T 50		Ir	Na			
17P1	GS	12- 2-63	J. W. Wilson		106	8	S E		Un	Tc 1.2	2,406	86.60	
10-17-51	GS						L W		Un			78.05	
11-14-51	GS											77.63	
17P2	GS	12- 2-63	J. W. Wilson		250	9	J E		Dm	Tap .7	2,406	89.54	
17Q1	GS	12- 2-63							Ir	Tap 1.5	2,407	k215.90	
4- 1-52	GS						T 50		Ir	Na			
17Q2	GS	12- 3-63			0	10	N N		Ds	Tc 0	2,404		
17Q3	GS	12- 3-63							Un	Na	2,403		
17R1	GS	11-29-63					T 40		Ir	Na	2,408		
18E1	GS	12- 4-63	M. E. Arnold Holt M. E. White	1951	427	10	J E		Dm	Na	2,587		L
11- 3-51	D						R 10						
18E2	GS	12- 4-63					6	S 3	Dm	Na	2,383		
18F1	GS	12- 3-63	D. G. Hockensmith		200	12	N N		Un	Tcc 0	2,388	k168.64	
18G1	GS	12- 3-63											
7- ---54	WRB						T 50		Ir	Tc 2.0	2,391	180.68	W
2-28-57	WRB		Norman Darby	1949	508	12		635					
18G1	GS	12- 4-63					10	N N	Ds	Tc 2.0	2,396	dry	
18L1	GS	12- 4-63					12		Dm	Na	2,390		L
10- 6-51	D		Gardner B. R. Butters	1951	493	R 12							
18M1	GS	12- 4-63					12	N N	Un	Tc 1.3	2,390	k134.39	
18M2	GS	12- 4-63					6	N N	Ds	Tc 0	2,387	dry	
18M3	GS	12- 4-63	V. H. Maudin		550	14	S E		Dm	Na	2,393		
18N1	GS	12- 4-63					10	S E	Dm	Tcc 1.3	2,396	(e)	L
12-10-17	T-78						C 10	675				f32	
18P1	GS	12- 4-63	Helen Huntington C. Crapinell	1917	290				Un	Hpb 1.0	2,398	181.59	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. V. B., R. 11 W. - Continued													
7N/11W-18R1 GS D		12-4-63 1-8-34	Rockwell M. H. Billiet	1924	301	C 10	N N	67 1/2	Un	Nn	2,403	153	L
18R2 GS DWR-18R		12-4-63 9-12-47	Rockwell M. H. Billiet	1944	618	R 14	T E		S	Nn	2,403		L
18R3 GS		12-4-63	L. R. Maun				S E		Dm	Nn	2,400		
18R1 GS J-130		12-4-63 1909	Wolfeberger	1905	335		N N	p 41	Dn		2,378	(1)	
19A1 GS		12-5-63			204.5	10	N N		Un	Tc	1.0	199.10	
19A2 GS		12-6-63			200	6	T E		Ir	Nn	2,407		
19A3 GS		12-6-63			501	14	S E		Dm	Nn	2,405		L
19R1 GS DWR-19R		12-5-63 2-26-47	Paul Waggoner	1946	501		T 30		Dm	Bpb 0	2,403	21.5	
19D1 GS WRB		12-5-63 4-1-57	John P. Martin		400		T 60		Un	Nn	2,405	220	
19D2 GS WRB		12-5-63 9-2-55	John P. Martin		300		T 7 1/2		Pa	Tnp 1.0	2,405	134.04	L
19E1 GS D FC-10001		12-5-63 3-10-56 9-25-57	El Rancho Trailer Park L. E. Pabst	1956 1956	508	R 8 8	T		Dm			160	
19E2 GS		12-5-63	El Rancho Trailer Park		0	6	N N		Un	Tc	1.0	165.80	
19E3 GS		12-5-63				12	N N		Dn	Tc	.5	2,411	
19F1 GS		12-5-63				14	T 60		Un	Hpb 1.0	2,409	1192.0	
19F2 GS		12-5-63					N N		Dn	Nn	2,410		
19G1 GS		12-5-63	F. Melbert			12	T 5		S	Bpb 0	2,410	1201.97	
19H1 GS		12-6-63	O. F. Eisbraun	1951	343	10	S E		Dm	Tcc .5	2,410	1207.50	
19H2 GS		12-12-63			10.5	12	N N		Dn	Tc 0	2,412	dry	
19J1 GS		12-6-63			95.0	12	N N		Dn	Tc 1.0	2,417	dry	



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance shore of lsd (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 11 W.--Continued													
7N/11W-19J2	GS	12- 6-63				12	N N		Un	Tcc 0.5	2,417	212.59	
19K1	GS	12- 6-63					T 25		Un	Hpb 1.0	2,413	k204.0	
19K1	GS	12-10-63			238.6	12	N N		Un	Tc 1.5	2,417	197.22	
19M2	GS	12-10-63			167.7	12	N N		Ds	Tc 0	2,420	dry	
19N1	GS	12-10-63	Rex Davis			14	N N		Un	Tc 0	2,430	214.33	W
FC-10002	GS	12-14-43			367.5	14	T D		Un				
		10-19-54											
19M2	GS	12-10-63				14	T 50	810	Un	Hpb .2	2,430	208.69	I, P
	WRB	1952					T 50		Ir			182.92	
	GS	10-19-54	Rex Davis	1952	501		T 50						
19Q1	GS	12-10-63	L. A. Harter	1928	401		N N		Un	Hpb 1.4	2,418	204.85	W
	GS	10-17-51				C 13	N N		Un	Tc .6			
19Q2	GS	12-10-63	L. A. Harter	1963	656	R 13	T 75		Ir	Tap 3.0	2,420	215.05	
19Q3	GS	12-10-63	L. A. Harter	1951	403		S E	340	Dm	Tcc 1.0	2,421	210.48	P
	WRB	8-15-51				R	T 40	722					
	WRB	1- 6-56					T 50						
19R1	GS	12- 6-63		1943		14	N N		Un	Tcc 0	2,422	217.24	
20A1	GS	12-10-63	American Legion	1963			T 3		Dm	Hpb 1.0	2,410	96.85	
20A2	GS	12-10-63					N N		Un	Na	2,415		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data		
										Description	Distance above or below (feet)					
T. 7 N., R. 11 W.--Continued																
7N/11W-20B1	GS	12-10-63	John Targison	1944	635	R 14	N N		Un	Na	2,410	L				
DWR-20A	GS	2-12-47					N N									
	GS	11-17-51					N N									
	GS	12-19-51														
20B2	GS	12-10-63	Lloyd Ocier	1955	377.8	12	N N		Un	Bpb O	2,412	k216.61				
	GS	3-4-52				12	T						Ir	148.84		
20B3	GS	12-10-63				T 60	Ir						Na	2,413		
20E1	GS	12-11-63				N N	Un						Tcc O	2,410	k215.78	
	DWR					14	E	Ir								
20F1	GS	12-11-63	Walter McLane	1955	412	14	T E	Ir	Na	2,415						
WRB	GS	2-9-52					50									
WRB	GS	1956					50									
20F2	GS	12-11-63	Walter McLane	1955	682	R 14	T 75	1,200	Ir	Hpb 1.0	2,416	L,P				
D	GS	12-16-55											k219.7			
WRB	GS	2-29-57											183.8			
20G1	GS	12-11-63			12	12	S E	Dm	Tcc O	2,417	k216.7					
20H1	GS	12-11-63				12	T 40						Un	2,419	k227.38	
20H2	GS	12-11-63				N N	Un						Na	2,419		
20H3	GS	12-11-63				S E	Dm						Na	2,420		
20L1	GS	12-12-63			12	12	N N	Un	Tc 1.0	2,420	(h)	P				
20M1	GS	12-12-63				T 50	Ir						Bpb .8	2,418	k221.12	
SCE	GS	3-26-57														
20N1	GS	12-11-63	Omer E. McLean	1961	684	R 14	T 100	1,500	Ir	Tap 2.0	2,425	L,P				
D	GS	3-1-61											k203.7			
20P1	GS	12-12-63					T 35						Ir	Hpb 1.4	2,425	b k228.1
D	GS	9-9-62														
20P2	GS	12-12-63	Andrew Monsello	1962	650	R 12	N N	Un	Tcc O	2,425	k226.5					
20P3	GS	12-12-63				R 12	N N						Un	Tc .5	2,425	k228.1
	GS					12	N N						Un	Tc 1.0	2,428	k233.9
20Q1	GS	12-12-63				12	N N						Un			
			Victor Ryckebasch													

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T, 7 N., R. 11 W.--Continued														
7N/11W-20R1	GS SCE	12-11-63 9-22-60	Victor Ryckebasch	1949	600	R 14	T 100 S 60	472	Ir	Tap	2.0	2,430	(a)	P
20Z1	GS J-124	12-12-63 1909	Victor Ryckebasch J. C. Van Norden		700	4	N N L W		Ds S			2,428	5	
21B1	GS	12-12-63				10	S E		Dm	Na		2,421		
21E1	GS	12-12-63				8	N N		Un	Tc	.5	2,422	103.25	
21E2	GS	12-12-63				8	N N		Un	Na		2,422		
21P1	GS	12-12-63 11-27-51	Andrew Monsello	1951	693	14 14	N N	2,025	Un	Tcc	1.0	2,456	163.52	L
21R1	GS D	12-12-63 1917	Frombach Ranch	1917	550	12	N N	1,053	Un	Tcc	-1.3	2,442	250.10	L,P
22F1	GS	12-13-63			1.0	13	N N		Ds	Tc	1.0	2,432	(h)	
22F2	GS	12-13-63					T 40		Un	Bpb	1.5	2,432		
22K1	GS	12-13-63 10-18-51 11-14-51 3-4-52				12	N N N N		Ds Un	Tc	0	2,440	181.19 168.36 157.00	
22P1	GS	12-13-63				14	N N		Un	Na		2,443		
22R1	GS DWR	12-13-63 12-14-56	Lancaster Farm Co. H. Metzler	1946	660	16	N N N N		Un	Tcc Bpb	0 0	2,450	k262.25 223.5	C
22Z1	GS J-289	12-13-63 1909	Hogan				N N C G	p108	Ds Ir			2,442	(p)	
22Z2	GS J-282	12-13-63 1909	Hogan		550	5	N N		Ds			2,440	(p)	
22Z3	GS J-288	12-13-63 1909	Hogan				L W		Ds Dm			2,432		
23C1	GS	12-13-63	Kipp		333	8	S E		Dm	Na		2,425		
23C2	GS	12-13-63	D. A. Blessing		330	8	S E		Dm	Tcc	1.0	2,425	b k242.2	
23D1	GS	12-13-63					T N		Un	Na		2,425		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 11 W.--Continued														
7N/11W-23H1	OS	12-19-63				6	T 3		Dm	Tc	.3	2,436	k248.70	
23H2	OS	12-19-63			0	12	N N		Ds			2,436		
23H3	OS D	12-19-63 10-24-51	Grana Leo Porter	1951	475	R 12	T 75		Ir	Hpb	1.0	2,435	k249.25	L
23K1	OS D	12-19-63 9-15-25	Nelson	1925	57.8 350	8 C 8	N N	450	Ds	Tc	0	2,441	dry f80	L
23K2	OS	12-19-63			398.0	12	N N		Un	Tcc	.7	2,443	e225.60	
23L1	OS T-86	12-19-63 1-15-20	George A. Miller	1910	87.0 330	8 8	N N C		Ds	Tc Ls	-6.5 0	2,438	dry 30.0	L, W
23L2	OS T-86A FC-10081A FC	12-19-63 1-13-20 8-21-21 5-13-26	George A. Miller		8.0	D	C		Ds	Tc	1.7	2,439	dry 37.8	W
23L3	OS T-86	12-19-63 1920	George A. Miller		239.5 710		C		Un	Tc	-8.0	2,439	200.95	
23N1	OS FC-10072	12-13-63 11-27-40	Lancaster Farm Co. R. E. Stauss		600	16	S E T		Dm Ir	Tcc Bpb	1.0 1.0	2,440	k260.69 122.5	C
23P1	OS D	12-13-63 4-13-62	Lancaster Farm Co. Avenue K Farm Co.	1962	650	R 14	T 150	2,350	Ir	Na		2,447	a320	L
23P2	OS	12-13-63	Lancaster Farm Co.			14	N N		Un	Tc	.5	2,447	k264.8	
23Q1	OS FC-10082 FC	12-19-63 4-24-41 12- 2-41			246.2	14 14	N N T		Un	Tc	2.0	2,450	e200.0 113.2 115.7	
23R1	OS D	12-19-63 10----54	Lancaster Farm Co.			14	N N		Un	Tc	1.0	2,450	e202.9	L, P
FC-10092		10- 8-57	Hugo Michler	1954	630	R 14	T 150	2,500	Ir					
26G1	OS WRB	12-20-63 6-13-56	Myron Roberts	1955	640		T 75		Ir	Bpb	1.0	2,459	(a) a256	
26G2	OS	12-20-63				12	N N		Un	Tc	0	2,459	c k279.62	
26J1	OS OS	12-20-63 11-26-51	W. E. Pratt	1950	462	12 12	S E T 40		Dm In	Bhc	1.0	2,462	e219	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 11 W.--Continued													
7N/11W-2621	GS J-123	12-20-63 1909			69	6	N N		Ds		2,471	60	
2622	GS J-122	12-20-63 1909	Mrs. Hazeltine		64	6	N N		Ds Un		2,452	56	
27E1	GS	12-30-63	James Provenzano				T 40		Ir	Tap 1.0	2,453	266.70	
27F1	GS FC-10063	12-30-63 9-18-40	James Provenzano	1922	400	12 12	S E T 30	675	Dm Ir	Tap 1.0 Hpb .5	2,452	(e)	W
27F2	GS	12-30-63			93.3	10	N N		Ds	Tc 1.0	2,454	dry	
27G1	GS D	12-20-63 1-26-45	James Provenzano	1945	600	R 16 R 16	T 75	675	Ir	Bpb .3	2,454	273.86	L,P
	DWR-27C												
27N1	GS SCE	12-30-63 7---63		1956	690	R 16	T 75	626	Ir	Na	2,461		P
27P1	GS D	12-20-63 3-25-21	L. R. Martin Robert B. Campbell	1921	400	16	S E	1,350	Dm	Na	2,463	f62	L
27Q1	GS WRB WRB	12-20-63 1953 1954	Floyd E. Shain		650	14	N N		Un	Tc 1.0	2,467	223.13 200 237	
28A1	GS	12-31-63 10-18-51 11-14-51 3-4-52 10-19-54	Coffer Ranch			N 16	N N N N		Ds Un	Tc 1.5	2,445	198.24 184.89 171.08 214.00	
28E1	GS FC-10042	12-31-63 4-24-41 5-17-55	Coffer Ranch Mrs. Leshin		500 449.1	N C 12	N N N		Ds Ir Un	Tap .8	2,440	262.70	W
28E2	GS D	12-31-63 6-26-26	Coffer Ranch F. H. Wilson	1926	401	12 C 12	T 10	810	S	Tap 1.2	2,442	(e) f60	L
28F1	GS	12-31-63	Coffer Ranch			16	N N		Un	Na	2,443		
28F2	GS D	12-31-63 8-2-63	Coffer Ranch	1963	570	14 14	T 125	1,500	Ir	Tap 1.5	2,444	(a)	L,P

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 11 W.--Continued													
7N/11W-29H	GS	12-11-63	V. Rycebosch	1954	679	R 14	T 100		Ir	Tap 1.3	2,442	249	L,P
	SCE	7-14-59					T 75	861				a289	
29J1	GS	1- 3-64	Eva Motridge	1955	600	R 12	T 30	1,100	Ps	Na	2,444		L,P
	D	6-20-55											
29K1	GS	1- 3-64	J. E. Boehme		600	12	T 75		Ir	Bpb .3	2,439	k233.67	
29N1	GS	1- 3-64	J. E. Boehme			16	T 75		Ir	Bpb .6	2,446	e240.80	
	GS	11-17-51	Cain						Un	Tc .3		186.99	
	GS	3- 4-52							Bpb .6			175.05	
30A1	GS	1- 7-64	Shirk		350	6	T 5		S	Na	2,424	(e)	
30A2	GS	1- 7-64			0	6	N N		Ds	Tc 1.0	2,424		
30B1	GS	1- 7-64	Benson & Shirk	1935	500	12	T 75		Ir	Hpb 1.0	2,424	(a)	
	WRB	2-25-57				12							
30B2	GS	1- 8-64	Shirk	1958	400	6	T 5		Dm	Na	2,423		
30C1	GS	1- 8-64	J. Bracker	1920	279	10	N N	585	Ds		2,425	f44	L
	T-159	1920	E. A. Merritt										
30C2	GS	1- 8-64	J. Bracker	1953	406	12	N N		Un	Tc 0	2,429	210.00	
30C3	GS	1- 8-64	J. Bracker	1958	300	7	S 2		Dm	Na	2,423		
30D1	GS	1- 7-64	Querbach & Moffatt				N N		Ds	Na	2,428		L
	D	2-13-16	Burris	1916	298	C 10		675					
	DWR-30B	1946	Moffatt		80								
30D2	GS	1- 3-64	Querbach & Moffatt				S E		Ps	Na	2,435	130	
	DWR	4- - - -56					S 5	36					
30E1	GS	1- 3-64			37.8	6	N N		Ds	Tc 6.0	2,441	dry	
30H1	GS	1- 7-64	Benson & Shirk	1944	600	12	T 30		Ir	Bpb 2.0	2,434	(e)	
	WRB	1957					T 50						
30J1	GS	1- 7-64	V. Rycebosch		490	8	S 7½		S	Tap 1.0	2,436	226.71	
30J2	GS	1- 7-64	V. Rycebosch		0		N N		Ds		2,436		
30K1	GS	1- 3-64	John Granicy	1962	666	R 14	T 60	2,100	Ir	Bpb 1.0	2,447	222.94	L,P
	D	1-22-62											

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Distance above or below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 11 W.--Continued													
7N/11W-30M2	CS	1- 3-64	John Granicy		460	12	T 5		Dm	Tc 2.0	2,447	223.55	
30R1	CS	1- 7-64	William Wilburn		470	16	T 75		Ir	Hpb .5	2,446	239.90	
30Z1	CS D	1- 7-64 1947	H. J. Schabarum	1940	500	R 16	N N		Ds		2,434		L
30Z2	CS D	1- 8-64 2-16-16	J. Bracker				N N		Ds				
	DWR-30C	3-----47	E. A. Merritt	1916	125	C 6	L W		Un		2,422	f45	L
31A1	CS D	1- 7-64 5-10-52	Palmcaster Co.			14	T 60		Ir	Na	2,450	(a)	L
	WRB WRB	1952 1956	H. W. Wilburn	1952	599	R 14	T 60					197 235	
31U1	CS	1- 8-64	William Wilburn		600	16	T 75		Ir	Na	2,460		
31M1	CS CS CS	1- 9-64 11-17-51 3- 4-52				14 14	N N T 75		Un Un	Tcc .5 Bpb .85	2,468	238.87 185.00 184.57	
32A1	CS D	1- 9-64 1946	El Patio Ranch Gemmill			16	N N		Un	Tcc .2	2,456	(e)	L
	CS WRB WRB	11-26-51 1953 1956	Agnes G. Ross Fred Alley	1946	550	R 16	T 75		Ir			193 238	
32A2	CS D	1- 9-64 2- 1-62	El Patio Ranch	1962	823	R 14	T 75	2,050	Ir	Tap 1.1	2,453	255.50	L, P
32G1	CS WRB	1- 9-64 6-----56	El Patio Ranch Fred Alley	1956	610	14	T 100	1,250	Ir	Tap 1.5	2,460	262.29	P
32H1	CS D	1- 9-64 4- 7-26	El Patio Ranch Moseur	1926	420	16	N N	1,350	Un	Na	2,462	f55	L
32J1	CS	1- 8-64	Lancaster Milling Co.				T 100		Ir	Bpb 1.5	2,468	(h)	
32F1	CS	1- 8-64	Northrop Corp.			12	N N		Un	Tc .3	2,472	e261.25	
32P2	CS	1- 8-64	Northrop Corp.				T 50		Ir	Tap 1.3	2,472	259.46	
32P3	CS	1- 8-64	Northrop Corp.		500	14	T E		Ir	Tc .8	2,473	(h)	
32Q1	CS	1- 8-64	Sanders				T E		Ir	Hpb 1.0	2,472	n183.55	

See footnotes at end of table



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below lsd (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 11 W.--Continued													
7W/11W-3221	GS T-80	1- 9-64 1920	Big Ten Ranch		550	6	N N C	540	Ds		2,473		
33A1	GS SCE	10-30-63 10- 9-57	F. Seminario			R	T 125	1,375	Ir	Na	2,461	a267	P
33J1	GS WRB SCE	10-30-63 2-28-57 12-23-58	F. Seminario	1944	800	R 18	N N	1,290	Un	Tc 0.6	2,471	c297.3	P
33J2	GS D	10-30-63 2-26-63	F. Seminario	1963	770	R 16	T 125	2,360	Ir	Na	2,471		L,P
33M1	GS	1-10-64	Antelope Valley Feeders				T 60		In	Hpb 0	2,467	(a)	
33N1	GS GS	1- 9-64 11-17-51	Lancaster Milling Co.			20	T 75 T 75		Ir Ir	Bhc .4	2,473	276.71	C,W
33N2	GS D	1- 9-64 2-10-59	Lancaster Milling Co. Antelope Valley Cattle and Milling Co.	1959	622	R 16	T 125	1,390	Ir	Tap 1.2	2,470	272.76	L,P
33Q1	GS D	10-30-63	F. Seminario		700	R 16	T 125	2,100	Ir	Tap 0	2,468	307.8	L,P
33R1	GS SCE WRB	10-30-63 10- 5-54 10-12-54	F. Seminario			R	N N	648	Ds		2,482	a268	P
34F1	GS SCE	1-15-64 7-----63	Rose Leshin	1948	507	R 14	S E	499	Ir	Na	2,474		P
34F2	GS	1-15-64	Rose Leshin		675	R 14	S E		Ir	Na	2,473		
34X1	GS	1- 9-64	Dr. Pomeranga				T E		Ir	Hpb 0	2,480	(a)	
34L1	GS GS GS	1-15-64 11-26-51 3- 4-52	Rose Leshin	1951	723	R 14	N N T 60		Ds Ir	Tc .5	2,474	(n) 196.20	L
34R1	GS	1- 9-64	Dr. Pomeranga				T 75		Ir	Na	2,484		
34Z1	GS J-210	1-10-64 1909	Protchard	1898	564		N N		Ds		2,481		
34Z2	GS J-211	1-10-64 1909			403		N N		Ds		2,484		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below (feet)	Altitude of top of well (feet)	Water level below top of well (feet)	Other data
T. 7 N., R. 11 W.--Continued													
7N/11W-35H1	CS	1-10-64	J. Tucker		344.5	12	N N		Un	Tc 1.0	2,482	296.32	
35H2	CS	1-10-64	J. Tucker		118.0	12	N N		Ds	Tc .5	2,482	dry	
35L1	CS	1-10-64			149.5	10	N N		Ds	Tc 0	2,480	dry	
35P1	CS	1-10-64			50.0	10	N N		Ds	Tc 0	2,492	dry	
36D1	CS	1-10-64	Vernon Michels	1962	405	6	S 2 $\frac{1}{2}$		Dm	Na	2,476		
36D2	CS	1-10-64	Vernon Michels	1952	278.7	8	N N		Ds	Tc .3	2,476	dry	
T. 7 N., R. 12 W.													
7N/12W-1A1	CS	8-26-63	Arlen Rowland	1955	210	8	N N		Un	Tap 1.0	2,340	69.80	L, P
	D	9-22-55						295					
	D	10-4-55											
1QJ	CS	8-26-63	H. B. Proctor	1955	1,555	11	N N		Ds		2,361		
	B	3-23-55	(Comer 1)						T				
1R1	CS	8-26-63	Lyle E. Fleming	1955	200	6	T 5		Dm		2,360	(a) 70	L
	D	1-25-55											
2A1	CS	8-27-63	J. J. Schwartz	1939		6	S E		Dm	Tc 1.0	2,332	e47.50	
2A2	CS	8-27-63	Peggie Reid	1950	110	R	J E		Dm	Na	2,332		
2A3	CS	8-27-63			49.5	4	N N		Ds	Tc 0	2,335	dry	
2B1	CS	8-27-63	Viola Jones				J 1		Dm		2,330	(a)	
2B2	CS	8-27-63	Alfred Billyzone	1953	140	8	J E		Dm	Na	2,330	(a)	
2B3	CS	8-27-63	Alfred Billyzone	1956	140	8	J 1		Dm	Na	2,330		
2B4	CS	8-27-63	Brazeley Phillips	1950	150	6	L 1		Dm	Tc .3	2,331	(a)	
2B5	CS	8-27-63	J. Oquin				J 1		Dm	Na	2,332	(a)	
2B6	CS	8-27-63	L. E. Wynne						Dm	Na	2,332		
2B7	CS	9-10-63	Louise Rollerson	1950	175	6	J 1		Dm	Tc .7	2,334	(a)	
2E1	CS	8-28-63	Finas Ratliff	1955	100	6	J 1		Dm	Na	2,331		

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance from well before lsd (feet)			
T. 7 N., R. 12 W.--Continued														
TN/12W-2B2	CS	8-28-63	T. Williams	1953	100	6	J 1		Dm	Tc	0.3	2,329	(a)	
2B3	CS	8-28-63	W. W. Turley	1953	165	8	J 1		Dm	Na		2,330		
2B4	CS	8-28-63	Jameson				J 1½		Dm	Na		2,331		
2B5	CS	8-28-63	W. L. Boyd	1953	100	6	J 1		Dm	Na		2,330		
2B6	CS	9-10-63				R 6	N N		Un	Na		2,327		
2B7	CS	9-10-63	Lincoln Hodgins	1957	100	6	J 1		Dm	Na		2,327		
2B8	CS D	9-10-63 12-14-56	Cisco	1956	150	R 8	J 1		Un	Tc	.8	2,326	38.96	L
2B9	CS	9-10-63	Cisel Metter		164	6	J 1		Dm	Tap	2.0	2,327	41.98	
2B10	CS	9-10-63	Kieth Apton				J 1		Dm	Na		2,328		
2B11	CS	8-28-63				R 6	J E		Dm	Tc	.3	2,328	42.26	
2B12	CS	9-10-63				R 6	N N		Un	Na		2,330		
2F1	CS	8-28-63				7	N N		Un	Tc	.5	2,332	45.19	
2F2	CS	8-28-63				R 7	N N		Un	Tc	1.0	2,332	45.71	
2F3	CS	8-28-63				6	N N		Un	Na		2,333		
2F4	CS	8-28-63					J 1		Dm	Na		2,333		
2F5	CS	8-28-63	Taylor		114	6	J 1		Dm	Na		2,332		
2F6	CS	8-28-63	E. M. Taylor		114	6	J E		Dm	Na		2,335		
2F7	CS	8-28-63	T. Shanahan				J 1		Dm	Na		2,333		
2F8	CS	8-28-63	Leo Shelton				J 1		Dm	Na		2,332		
2F9	CS	8-28-63	Carrie Stangeland				J 1		Dm	Na		2,334		
2F10	CS	8-28-63				R 6	N N		Un	Na		2,334		
2F11	CS	8-28-63	J. F. Langston	1906	369		T 15 N N	p405	Un	Na		2,331	(p)	
J-272		1909							Ir					

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of top of well (feet)	Water level below top of well (feet)	Other data
										Description	Distance above or below (feet)			
T. T. N., R. 12 W.--Continued														
74/25-2F12	CS	9-10-63				R 6	N N		Un	Na		2,330		
2F12	CS	9-10-63				R 6	N N		Un	Na		2,331		
231	CS	8-28-63	John D. McCord	1955	150	R 8	J 1		Dm	Tc	0	2,435	(c)	
201		8-26-63				12	N N		Un	Na		2,341		
202	CS	8-26-63			6	10	N N		Ds	Tc	1.5	2,341		
201	CS	8-27-63	Cheney							Na		2,341		
1-21-51	CS	1-21-51	Millford Cheney	1931	200	R 10	T 7½		Ir	Na				
0		1946												
241	CS	8-28-63	Walt Waldrip				T 5		Dm	Na		2,341		
241	CS	8-26-63	Cheney		81.5		N N		Ds	Tc	0	2,342	dry	C
1-23-51	CS	1-23-51	Clyde Cheney	1948	200	R 10	T 15	360	Ir	Na	0		40.2	
0		11-----50								Na				
242	CS	8-26-63	Cheney			10	N N		Ds	Tc	0	2,342	62.78	
1-23-51	CS	1-23-51	Clyde Cheney						Un				42.76	
2-2-51	CS	2-2-51												
243	CS	8-27-63	Cheney				L E		Dm	Na		2,341		
1-23-51	CS	1-23-51	Clyde Cheney							Na				
241	CS	8-26-63	M. H. Cheney		0		N N		Ds			2,346	(p)	
J-112a	CS	1909	Belle Garmire	1908	325	5	N N		Un	Tc	-14.2		64.20	
1-23-51	CS	1-23-51			530									
242	CS	8-26-63	M. H. Cheney		0		N N		Ds			2,346	(p)	
J-112b	CS	1909	Belle Garmire		340	6	L 1		Dm	Na				
1-23-51	CS	1-23-51			107									
243	CS	8-26-63	M. H. Cheney		0		N N		Ds			2,346	(p)	
J-112c	CS	1909	Belle Garmire		320	4	C G		Un	Na				
1-23-51	CS	1-23-51			70.0									
244	CS	8-26-63	M. H. Cheney				N N		Ds			2,346	(p)	
J-112c	CS	1909	Belle Garmire											
1-23-51	CS	1-23-51							Un	Na				
245	CS	8-26-63	M. H. Cheney				T 2		Dm	Na		2,347		
J-113	CS	1909	Desert Claims	1890	267	4	N N		Ds			2,341	(p)	
1-23-51	CS	1-23-51												
246	CS	8-26-63	Desert Claims	1890	267	5	N N		Ds			2,341	(p)	
J-113	CS	1909			500									
1-23-51	CS	1-23-51							Ir					

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-223	GS J-182	8-27-63 1909	Cheney M. H. Cheney	1900	314	4	N N	p45				2,341	(p)	
224	GS J-114	8-27-63 1909	Cheney M. H. Cheney		430	4	N N	p45	Ir			2,343	(p)	
225	GS J-293	8-27-63 1909	M. H. Cheney	1903	310	4	N N	p126	Ir			2,340	(p)	
226	GS J-294	8-27-63 1909	Cheney	1902	180	4	N N	p18	Ir			2,340	(p)	
227	GS J-126	10-24-63 1909	Adney Estate	1897	431	4	N N	p63	Ir			2,380	(p)	
3J1	GS	9- 3-63	Berty Callahan			R	T 3		Dm	Na		2,331		
3L1	GS	9- 3-63				6	L N		Un	Tc 0.2		2,329	(h)	
3N1	GS	9- 3-63	Francis Lampshire				T 2		Dm	Na		2,320		
3P1	GS	9- 4-63	Harriet Lillard		130		T 1		Dm	Na		2,325		
3P2	GS	9- 4-63	R. E. Griffith			6	S E		Dm	Tap 1.5		2,325	37.70	
4H1	GS J-274 FC-11257	9- 9-63 1911 12- 8-41			0	N	N N	p18	Ds			2,313		W
4P1	GS FC-11248	9- 5-63 12- 9-39 10-17-51			3.5	8	N N		Ds	Bhc 1.2		2,314	dry	W
	GS				16.0	8	N N		Un	Tc 1.0			14.3	
4P2	GS FC-11248A	9- 5-63 12- 9-39 10-17-51			0	N	N N		Ds	Bhc -2.2		2,314	(p)	W
	GS				20.6	4	L W		S	Tc -1.2			dry	
4Z1	GS J-255	9- 5-63 1909	Weinmiller	1892	0	N	N N		Ds			2,313	(p)	
4Z2	GS J-217	9- 5-63 1909	F. H. Robinson	1900	0 257	N	N N	p144	Ds			2,313	(p)	
6D1	GS	9-10-63			22.7	6	N N		Ds	Tc 0		2,330	dry	W
6J1	GS	9-10-63			3.5	6	N N		Ds	Tc 0		2,321	dry	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-6J2	CS	9-10-63			17.0	8	N N		Ds	Tc	1.1	2,321	dry	
6M1	CS	9-10-63			12.0	6	N N		Ds	Tc	0	2,329	dry	W
	FC-11197	11-26-47			24.5				Ds					
7B1	CS	9-11-63	Milton H. Savell	1960	34.4	R 7	L W		Ds	Tc	1.0	2,321	dry	
7B2	CS	9-11-63	Milton H. Savell	1952	110	R 6	J 3/4		Dm	Tcc	.3	2,321	38.08	C
7B3	CS	9-11-63			16.5	6	N N		Ds	Tc	1.5	2,319	dry	
7K1	CS	9-11-63			85.3	6	N N		Un	Tc	1.0	2,318	28.13	
7Q1	CS	9-11-63				R 8	J 1		Dm	Na		2,320		
7Q2	CS	9-11-63				6	J 1		Dm	Na		2,320		
7Q3	CS	9-11-63	Miller			6	J 1		Un	Tc	.5	2,319	29.86	
7Q4	CS	9-11-63	J. Tarino						Dm	Tc	1.5	2,319	30.57	
7Q5	CS	9-11-63	Bill Risler			6	J 1/2		Dm	Tc	1.0	2,319	29.45	
8D1	CS	9-11-63	J. Melborn			4	J 1		Dm	Tc	1.0	2,316	102.05	W
	J-186	1909	B. F. Carter	1904	268	4			Un					
8F1	CS	9-10-63	Radio Station KBVM	1956	102.0	8	N N		Un	Tc	2.0	2,314	44.10	L
	FC-11228A	9-17-57			233					Tap	2.0			
8H1	CS	9-12-63			1.3	6	N N		Ds	Tc	.7	2,316	17.13	
	CS	10-17-51			51.4	6	N N		Un					
8P1	CS	9-10-63	Radio Station KAVL	1957	150	R 8	J 1		Dm	Tc	1.0	2,318	(a)	
8Q1	CS	9-11-63	Robertson Imp. Co.	1958		6	J 1 1/2		Dm	Tc	.1	2,320	(a)	
9E1	CC	9-13-63	Los Angeles County	1958	1,104	R 14	T 50	1,200	Ps	Tap	1.0	2,318	(a)	C, L, P, W
	D	8-13-58	Waterworks Dist. No. 4											
9E2	CS	9-13-63	Los Angeles County	1959	503	R 14	T 100	1,600	Ps	Tap	0	2,318	107	C, L, P, W
	D	11-15-59	Waterworks Dist. No. 4											
9P1	CS	9-12-63	A. V. Oldham		0	6	N N		Ds	Tc	2.0	2,325	(p)	
	J-316	1909					N N							
9Z1	CS	9-12-63	A. V. Oldham	1905		4	N N		Ds			2,335	(p)	
	J-315	1909					N N		Ir					

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 12 W.--Continued													
7N/12W-10A1	GS	9-16-63			0.3	7	N N		Ds	Tc 2.0	2,335		
10B1	GS	9-16-63				7	N N		Un	Tec .5	2,330	39.88	
10F1	GS	9-16-63	Carter Ranch		165	8	J 2		Dm	Tc .3	2,328	42.73	
10F2	GS	9-16-63	Carter Ranch		36.6	6	N N		Ds	Tc 0	2,328	dry	
10F3	GS	9-16-63	Carter Ranch		165	8	J 3		S		2,326	(a)	
10N1	GS	9-13-63	Los Angeles County Waterworks Dist. No. 4	1952	600	R 14	T 75	1,700	Ps	Tap .5	2,337.9	(a)	C, L, P, W
10P1	GS	9-16-63	Antelope Valley Laundry	1941	503	8	T 5		Un	Tap 2.0 Hpb .6	2,338	125.11 23.35 49.2	L
10P2	GS	5-12-64	Los Angeles County Waterworks Dist. No. 4	1957	1,220	R 14	T 75	1,050	Ps		2,334	(a)	E, L, P, W
10Q1	GS	9-16-63	I. T. Brandt	1951	0	48	N N		Ds		2,342	31.92 31.73 31.83	
10Q2	GS	9-16-63			40	D	J		Dm	Tc -16.0			
10R1	GS	9-16-63	E. R. Webb	1934	300	10	T N		Un	Tc 0	2,345	(h)	
10Z1	GS	9-13-63	S. E. Heaton	1909			N N	p9	Ds		2,340	(p)	
10Z2	GS	9-13-63		1909			N N		Ir		2,340	(p)	
10Z3	GS	9-13-63	Carter				N N		Ds		2,340	(p)	
10Z4	GS	9-13-63		1909			N N		Dm		2,340	(p)	
10Z5	GS	9-13-63	Carter	1909			N N		Ds		2,340	(p)	
10Z6	GS	9-13-63	Carter	1909			N N		Ds		2,340	(p)	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 12 W.--Continued														
70120-1076	GS J-295	9-13-63 1909	Capt. E. M. Heaton	1896	270	4	N N	p30	Ds			2,341	(p)	
1027	GS J-296	9-13-63 1909	Capt. E. M. Heaton		175		N N	p9	Ds			2,341	(p)	
1028	GS J-97	9-13-63 1909	John Carter			4	N N	p14	Ds			2,341	(p)	
1029	GS J-98	9-13-63 1909	John Carter				N N	p9	Ds			2,343	(p)	
10210	GS J-96	9-12-63 1909	John Carter			3	N N	p13	Ds			2,342	(p)	
10211	GS J-242	9-16-63 1909	J. H. Carter	1903	1,100		N N		Ds	T		2,327		
10212	GS J-276a	9-16-63 1909				3	N N		Ds			2,325	(p)	
10213	GS J-276b	9-16-63 1909	Ward			2	N N		Ds			2,325	(p)	
10214	GS J-276	9-16-63 1909	Ward				N N		Ds			2,328	(p)	
10215	GS J-277	9-16-63 1909	Ward			4	N N		Ds			2,328	(p)	
10216	GS J-279	9-16-63 1909	John Carter				N N		Ds			2,332		
10217	GS J-275b	9-16-63 1909	F. B. Scates				N N		Ds			2,328		
10218	GS J-275a	9-16-63 1909	F. B. Scates				N N		Ds			2,328	(p)	

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-10Z19 GS	9-16-63					12	N N		Ds	Tc	1.5	2,326		
FC-11259	12- 9-39							p9	S				(p)	
FC	11-29-40							p4					(p)	
FC	4-22-41							p9					(p)	
FC	12- 5-41							(p)					(p)	
FC	12- 4-43				2.0								dry	
11A1 GS	9-19-63					R 6	L W		Un	Na		2,346		
11B1 GS	9-19-63		Bob Burge	1961	200	R 6	J 1		Un	Tc	1.0	2,345	59.58	L
D	8-31-61												55	
11B2 GS	9-19-63					6	J 1		Dm	Tc	1.3	2,343	55.19	
11J1 GS	9-18-63		F. J. Kunding	1958	250	R 6	S 3		Ps	Tap	1.5	2,360	(a)	
11J2 GS	9-18-63		F. J. Kunding	1956	100	6	N N		Un	Tap	1.3	2,360	68.82	
O	1956												50	
11K1 GS	5-12-64		Los Angeles County Waterworks Dist. No. 4	1958	1,206	R 14	S E		Ps	Tap	1.5	2,350	131.13	C, E, L, P, W
D	3-5-58							658						
SCE	3-28-62													
11M1 GS	5-12-64		Los Angeles County Waterworks Dist. No. 4	1958	1,346	R 14	T N		Un	Tap	1.0	2,338	(e)	C, L, P
D	7-18-58							375						
SCE	7-10-59						T	411					a258.3	
11M2 GS	5-11-64		Los Angeles County Waterworks Dist. No. 4	1959	600	R 14	T E		Ps	Tap	1.2	2,338	119.01	C, L, P, W
D	11-17-59							812						
11R1 GS	9-18-63		John Carter		6.0	11	N N		Ds	Tc	0	2,367	(p)	
J-110	1909						N N							
11R2 GS	9-18-63		Mott & Martin	1918	300	8	N N		Ds	Tc	0	2,365	fl3	
T-72	1-1-18				3-2	8		450						
11R3 GS	9-18-63					15	J N		Un	Tc	1.3	2,365	e135.70	
11Z1 GS	9-17-63		John H. Carter	1903	2,000		N N		Ds			2,356	(p)	
J-240	1909						N N		T					
11Z2 GS	9-17-63		John Carter	1903	334	5	N N		Ds			2,355	(p)	
J-99	1909						N N							

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below (feet)	Other data
										Obscuration	Distance above or below (-) lsd (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-1123	GS J-95	9-17-63 1909	John Carter				N N N		Ds			2,355	(p)	
1124	GS J-100	9-17-63 1909	John Carter	1908	500	6	N N N	p50	Ds			2,350	(p)	
1125	GS D	9-17-63 8-24-23	Antelope Valley Oil and Gas Co.	1923	1,640	8	N N		Ds T			2,353		L
1126	GS D	9-19-63 1-28-17	Reece O. Snowden	1917	350	C 12	N N		Ds			2,340	16	L
12A1	GS	9-19-63				12	N N		Un	Tc	0.5	2,362	89.15	
12A2	GS	9-19-63	Dale Dantice		380		T 2		Dm	Na		2,364		
12C1	GS	9-20-63			3.7	10	N N		Ds	Tc	2.0	2,357		
12D1	GS GS	9-19-63 11- 9-51	Seigler		62.7 61.7	3 4	N N N		Ds Un	Tc	1.3	2,350	dry 53.47	W
12D2	GS GS	9-19-63 11- 9-51	Seigler		0	12	N N T 7		Ds Ir	Na		2,351		
12D3	GS	9-19-63	Seigler	1957	255	R 10	T		S	Bpb	.5	2,352	76.37	
12E1	GS	9-20-63	Mrs. McKerk		325	8	J E		Dm	Tc	.5	2,350	(a)	
12H1	GS	9-19-63	P. A. Sterk				S E		Dm	Na		2,367		
12J1	GS	9-19-63	Jack Henstra	1947	125	8	S E		Dm	Bhc	.3	2,367	78.90	
12J2	GS	9-20-63	Garhart Cook	1948	135	R 8	L 3/4		Dm	Na		2,370		
12J3	GS	9-20-63	Desert Haven Trailer Center			R 8	S E		Dm	Tcc	1.0	2,368	85.14	
12N1	GS D	9-18-63 5-18-51	Bill Stranske	1951	312	14	T N		Un	Hpb	1.5	2,362	82.49	L
12N2	GS	9-24-63	W. Wheeler	1951	475	R 8	T 15		Ir	Tc	0	2,365	(h)	
12P1	GS	9-24-63	Cliford Brownlow	1963	443	R 8	T 10		Ps	Tap	2.0	2,367	4136.7	
12P2	GS	9-24-63	Cliford Brownlow	1911	0	4	N N		Ds			2,367		
12P3	GS	9-24-63	M. J. Reynolds				T 25		Ir	Hpb	.3	2,365	137.67	W

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-12P4 GS		9-24-63	H. E. Blakley	1950	200	5	S E		Dm	Tcc	0.9	2,367	(a)	
1201 GS		9-24-63	John Harvey		300	5	S E		Dm	Na		2,368	(a)	
1202 GS		9-24-63	O. E. Nordberg		310	8	S E		Dm	Tc	.7	2,370	e153.25	
1203 GS		9-24-63	D. O. Kendrick	1957	325	R	T 10		Ps	Tap	1.2	2,371	(h)	
1204 GS		9-24-63	F. W. Hunt		385	8	T 15		Ps	Hpb	0	2,372	e140	
	DWR	3-14-56			350		T 15		Ir				104.7	
1205 GS		9-24-63	F. W. Hunt		17.0	8	N N		Ds	Tc	1.0	2,372	dry	
1201 GS		9-25-63	McGuire			6	J E		Dm	Tc	.1	2,375	94.90	
1202 GS		9-25-63	A. H. Husing	1954	360	R	T 7½		Ps	Tap	1.0	2,371	b147.35	
1221 GS		9-19-63	Johnson	1907	352	4	N N	18	Ds			2,351	(p)	
	J-111	1909					C G							
1222 GS		9-19-63	Dr. S. Worcester	1908	435	6	N N	p99	Ds			2,352	(p)	
	J-84	1909							Ir					
1223 GS		9-19-63	Jane Reynolds	1899	430	4	N N	p40	Ds			2,367	(p)	
	J-224	1909					N N							
1224 GS		9-25-63	Mott & Martin	1918	300	8	N N	450	Ds			2,373	f13	L
	D	1-10-18												
1301 GS		9-25-63			2.5	5	N N		Ds	Tc	.7	2,380		
1301 GS		9-26-63	Glen Tewes		300		T 5		Dm	Bhc	.7	2,378	154.60	
1301 GS		9-25-63	Joe Porzio		375	R 8	S 5		Ir	Na		2,373		
1301 GS		9-25-63	S. M. Klingele	1948	552	R 12	T 15		S	Bhc	0	2,382	154.69	L,W
		11-27-51					T 40		Ir					
1301 GS		9-25-63					T 3		Dm	Na		2,385		
1302 GS		9-25-63	Nevin Miller				J 1		Dm	Na		2,385		
1303 GS		9-25-63	Ward Rolland			8	T 7½		Ps	Na		2,381		
1301 GS		9-25-63	Ben Cicoria				T 3		Dm	Na		2,384		
1302 GS		9-25-63	Pete Wanserske	1949	218	8	S 1½		Dm	Tap	1.0	2,385	113.95	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance below (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-13K1	GS	9-26-63	John Rough	1920	352	C 12	S 1	1,125	Dm	Na		2,393	f32	L
	D	2-2-20	J. Reader		245									
		1962	John Rough										145	
		8-----63												
13M1	GS	9-26-63			2.3	6	N N		Ds	Tc	1.0	2,390	(p)	
	J-105	1909	A. J. Renner	1906	540	6								
	GS	10-18-51	W. E. Gillan	1906	600	6	L G		Dm				127.07	
13M2	GS	9-26-63	Los Angeles County	1951	426	R 10	T N	1,000	Un	Na		2,395		C, L, P, W
	I	1951	Waterworks Dist. No. 4											
13N1	GS	9-26-63			5.0	6	N N		Ds	Tc	1.0	2,403	dry	
13Q1	GS	9-26-63				13	N N		Un	Tc	.5	2,399	k137.64	
13Z1	GS	9-26-63				6	N N	p117	Ds			2,370	(p)	
	J-107	1909	Carter	1904	365		N N		Ir					
13Z2	GS	9-26-63			580	4	N N	p72	Ds			2,377	(p)	
	J-106	1909	Andrew Watson	1905			N N		Ir					
13Z3	GS	1920	Meder				N N		Ds			2,368	(p)	
14A1	GS	9-27-63	William Stranske	1951	300	8	T 5		Ps	Na		2,365		
14A2	GS	9-27-63					T 5		Dm	Na		2,370		
14A3	GS	9-27-63				9	N N		Un	Tc	1.0	2,372	n107.70	
14C1	GS	9-30-63	Robertson Imp. Co.		180.3	7	N N		Un	Tc	1.2	2,355	122.72	
14E1	GS	9-30-63	Antelope Valley High			14	T 50	1,050	Ps	Tap	1.0	2,361	(a)	L, P
	D	11-17-53	School	1953	600	14								
14E2	GS	9-30-63	Antelope Valley High				N N		Ds			2,363		L
	D	2-15-47	School Irwin Brandt	1947	300	10							200	
14G1	GS	9-27-63	Charles Scates	1944	350	R 12	S 1½	450	Dm	Na		2,380		
14G2	GS	9-27-63	Charles Scates		.6	4	N N		Ds	Tc	1.0	2,377		
14J1	GS	9-30-63	Joshua Memorial Cemetery		300	8	T 40		Ir	Tap	.4	2,381	(a)	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-14Q1	GS	9-30-63			0	8	N N		Ds	Tc	0.3	2,400		
1421	GS	9-30-63					N N		Ds			2,397		
1422	GS	9-30-63	Linda Verde School	1906	0	6	N N		Ds			2,367	(p)	
	J-102	1909	A. J. Renner		548		N N	p117	Ir					
1423	GS	9-30-63	Mrs. Hannah		340		N N		Ds			2,364	(p)	
	J-195	1909					N N							
1424	GS	9-30-63	Mrs. Hannah	1902	389	4	N N		Ds			2,364	(p)	
	J-196	1909					N N							
1425	GS	9-30-63	A. J. Renner	1892	255	4	N N	p108	Ds			2,363	(p)	
	J-101	1909					N N							
1426	GS	9-30-63	A. J. Renner	1892	300	4	N N	p32	Ds			2,370	(p)	
	J-104	1909					N N							
1427	GS	9-30-63	A. J. Renner	1892	340	4	N N		Ds			2,371	(p)	
	J-103	1909					N N							
15F1	GS	10-1-63	Agnes H. Powell				L W		Dm	Tf	1.0	2,348	136.40	W
	FC-11295B	10-28-42					L W		Dm					
15F2	GS	10-1-63	Los Angeles County	1943	600	R 16	N N		Un	Tap	.5	2,355	140.81	C, L, P, W
	D	8-1-43	Waterworks Dist.											
	SCE	10-7-54	No. 4					362						
15F3	GS	10-1-63	Los Angeles County	1921	502	C 14	N N		Ds	Fpb	1.0	2,355	b38.0	L
	D	11-26-21	Waterworks Dist.				T		Ps					
15G1	GS	10-3-63	Hunter Hotel				N N		Ds			2,360	(p)	
	J-300	1909	C. H. Bachert				N N		Dm					
15L1	GS	10-8-63	F. H. Robinson	1904	0	4	N N		Ds	Tc	.8	2,360	(p)	
	J-220	1909			406	4								
15R1	GS	5-12-64	Los Angeles County	1950	700	R 14	T 50	1,750	Ps	Tap	1.3	2,381	(a)	C, L, P, W
	D	2-1-50	Waterworks Dist.		690									
	P	8-1-55	No. 4											
15R2	GS	5-12-64	Los Angeles County		670	R 14	T 75		Ps			2,385.6	(a)	C, E, L, P, W
	D	6-1-53	Waterworks Dist.	1953				1,780						
			No. 4											

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-15R3	GS	5-12-64	Los Angeles County	1958	1,227	R 14	T G	1,800	Ps			2,375	(a)	C, L, P, W
	D	2-15-58	Waterworks Dist. No. 4											
1521	GS	10- 2-63	L. Perez		308	4	N N	p40	Ds			2,348	(p)	
	J-307	1909							Dm					
1522	GS	10- 2-63	B. F. Carter				N N		Ds			2,345	(p)	
	J-308	1909					N N							
1523	GS	10- 2-63	D. S. Menzies	1896		4	N N	p22	Ds			2,344	(p)	
	J-301	1909					N N		Ir					
1524	GS	10- 2-63	O. F. Goodrich	1908	177	4	N N		Ds			2,350		
	J-194	1909												
1525	GS	10- 3-63	M. J. Reynolds		240		N N		Ds			2,352		
	J-231	1909												
1526	GS	10- 3-63	Bachert	1883	450		N N	p25	Ds			2,357	(p)	
	J-298	1909					N N							
1527	GS	10- 7-63	Lancaster School		600	4	N N	p81	Ds			2,357	(p)	
	J-331	1909					N N							
1528	GS	10- 7-63	Show				N N		Ds			2,357	(p)	
	J-346	1909					N N							
1529	GS	10- 7-63	Nick Evertswell	1898	205		N N		Ds			2,355	(p)	
	J-193	1909					N N							
15210	GS	10- 3-63	Mrs. Story	1907	160		N N	p13	Ds			2,350	(p)	
	J-310	1909					N N							
15211	GS	10- 3-63	Mrs. Clara Kerr	1908	188		N N	p27	Ds			2,348	(p)	
	J-309	1909					N N		Ir					
15212	GS	10- 7-63	Lancaster Bakery		323	4	N N		Ds			2,353	(p)	
	J-184	1909					N N							
15213	GS	10- 3-63	Western Hotel	1896	264	3	N N		Ds			2,353	(p)	
	J-353	1909	T. V. Rockabrand				N N							
15214	GS	10- 3-63	Reynolds	1896	285	3	N N	p27	Ds			2,349	(p)	
	J-311	1909					N N							
15215	GS	10- 7-63	J. A. Varela		150	2	N N		Ds			2,348	(p)	
	J-314	1909					N N							

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-15216	GS J-313	10- 7-63 1909	J. A. Verela	1896	275	3	N N C G	p27	Ds			2,348	(p)	
15217	GS J-312	10- 7-63 1909	J. A. Verela	1897	180	4	N N N N	p9	Ds			2,348	(p)	
15218	GS J-222	10- 3-63 1909	P. H. Robinson		300	3	N N N N	p45	Ds			2,355	(p)	
15219	GS J-339	10- 7-63 1909	H. D. Vreeland	1902	150	4	N N N N	p36	Ds			2,357	(p)	
15220	GS J-340	10- 7-63 1909	H. D. Vreeland		160		N N L W	p27	Ds			2,357	(p)	
15221	GS J-338	10- 7-63 1909	A. V. Oldham				N N N N		Ds			2,352	(p)	
15222	GS J-337	10- 7-63 1909	A. V. Oldham				N N N N		Ds			2,352	(p)	
15223	GS J-347	10- 8-63 1909					N N N N		Ds			2,360	(p)	
15224	GS J-349	10- 8-63 1909					N N N N		Ds			2,357	(p)	
15225	GS J-350	10- 8-63 1909	F. H. Robinson		300		N N N N	p18	Ds			2,360	(p)	
15226	GS J-348	10- 8-63 1909	Knetch				N N N N		Ds			2,355	(p)	
15227	GS J-230	10- 8-63 1909	L. Tunneson	1906	380		N N N N		Ds			2,358	(p)	
15228	GS J-226a	10- 8-63 1909	Southern Pacific Co. Well 1	1899	402	4	N N	p40	Ds			2,355	(p)	
15229	GS J-226b	10- 8-63 1909	Southern Pacific Co. Well 1	1899	402	4	N N	p40	Ds			2,355	(p)	
15230	GS J-345	10- 8-63 1909					N N N N		Ds			2,360	(p)	
15231	GS J-202	10- 8-63 1909	Lancaster School	1904	411	4	N N N N	p10	Ds			2,356	(p)	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observa- tion	Owner or user	Year com- pleted	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Descrip- tion	Distance above or below (-) lsd (feet)			
T. 7 N., P. 12 W.--Continued														
7N/12W-15232	GS J-332	10- 8-63 1909	Lancaster School				N N N		Ds			2,357	(p)	
15233	GS J-333	10- 8-63 1909	O. S. Buckley	1906	287	4	N N N	p63	Ds			2,358	(p)	
15234	GS J-317	10- 8-63 1909	William Radloff	1904	285	4	N N N	p63	Ds			2,362	(p)	
15235	GS J-334	10- 8-63 1909	Crocker				N N N		Ds			2,363	(p)	
15236	GS J-197	10- 8-63 1909	H. F. Keeler	1902	405		N N C	180	Ds			2,366		
15237	GS J-351	10- 8-63 1909	F. H. Robinson				N N N	p22	Ds			2,360	(p)	
15238	GS J-221	10- 8-63 1909	F. H. Robinson	1902	265	3	N N N	p54	Ds			2,360	(p)	
15239	GS J-216	10- 8-63 1909	F. H. Robinson	1902	272	3	N N N		Ds			2,360	(p)	
15240	GS J-341	10- 8-63 1909	William Jones		335		N N N	p36	Ds			2,362	(p)	
15241	GS J-342	10- 8-63 1909	William Jones	1909	170		N N N	p9	Ds			2,361	(p)	
15242	GS J-190	10- 8-63 1909	Doyle	1903	272		N N N		Ds			2,356	(p)	
15243	GS J-299	10- 1-63 1909	Doyle				N N N		Ds			2,355	(p)	
15244	GS J-199	10- 8-63 1909		1898	411	4	N N N	p112	Ds			2,355	(p)	
15245	GS J-335	10- 8-63 1909	Howard Jones	1902	135	4	N N N		Ds			2,358	(p)	
15246	GS J-336	10- 8-63 1909	Howard Jones		135	4	N N N		Ds			2,358	(p)	



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 12 W.--Continued													
7N/12W-15247	GS J-344	10- 8-63 1909	Jance		240		N N N	p45	Ds		2,362	(p)	
15248	GS J-343	10- 8-63 1909	Tunnison	1904	370	4	N N N	p63	Ds		2,365	(p)	
15249	GS J-181	10- 8-63 1909	Lancaster Cemetery	1903	410		N N N	p45	Ds		2,375	(p)	
15250	GS J-198	10- 8-63 1909	H. F. Keeler	1902	286		N N N		Ds		2,365	(p)	
15251	GS D O	10- 8-63 3-27-24 1937	Southern Pacific Co.	1924	503	C 14	N N T E	150	Ds RR RR		2,360	(p)	C, L
15252	GS D	10- 8-63 7-12-16	So. Calif. Edison Co.	1916	253	C 6	N N		Ds		2,343	f6	L
15253	GS FC-9960A FC	10- 9-63 2-19-43	Los Angeles County Waterworks Dist. No. 4		565	18	N N T E		Ds		2,357		
15254	GS D	10- 9-63 10- ----20	L. Clemen	1920	352	C 6	N N	270	Ds		2,357	f10	L
15255	GS J-297	10- 9-63 1909	E. O. Murray	1906	293	4	N N N	p40	Ds		2,360	(p)	
16E1	GS FC-9930	10-10-63 11-17-58	B. W. Cockran	1952	200	5	N N E		Un Dm	Tc 0	2,336	76.13 62.14	
16J1	GS GS	10- 9-63 2- 1-52	H. C. Rasmussen	1910	550	6 T 7½	N N T		Ds Ir	Tc .5	2,353	64.5	
16K1	GS J-322	10- 9-63 1909	Mrs. Dahl		0	7		p54	Ds	Tc 1.5	2,345	(p)	
16L1	GS J-321	10- 9-63 1909	West Lancaster Water Dist. H. R. Robinson		500	6 S 3		p72	Ps	Tap 1.3	2,343	b125.98	
16L2	GS	10-10-63	John Rogers	1949	185	R 6 J 1			Un	Tap 1.0	2,338	88.82	
16L3	GS	10-10-63	J. Sheldon			J 1			Un	NA	2,337		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-16L4	GS	10-10-63			9.3	8	N N		Ds	Tc	0.2	2,338	(h)	
16M1	GS	10-10-63			0	5	N N		Ds	Tc	0	2,339		
16M2	GS	10-10-63			.5	6	N N		Ds	Tc	1.0	2,341		
16M3	GS	10-10-63		1948			T 15		Ps	Na		2,337		
16P1	GS	10-10-63			0	8	N N		Ds	Tc	0	2,347		
16Z1	GS J-320a	10- 9-63 1909	J. R. Robinson	1903	350	4	N N	pl44	Ds			2,355	(p)	
16Z2	GS J-320b	10- 9-63 1909	J. R. Robinson	1905	250	4	N N	p54	Ds			2,355	(p)	
16Z3	GS J-324	10- 9-63 1909	W. P. Sears	1903	250		N N	pl26	Ds			2,352	(p)	
16Z4	GS J-189a	10- 9-63 1909	C. I. Dunsmoore	1904	286		N N		Ds			2,350	(p)	
16Z5	GS J-189b	10- 9-63 1909	C. I. Dunsmoore	1904	286		N N		Ds			2,350	(p)	
16Z6	GS J-323	10-10-63 1909	George A. Lutz		135	3	N N	pl62	Ds			2,345	(p)	
16Z7	GS J-214	10- 9-63 1909	M. J. Reynolds	1905	284	5	N N		Ds			2,350	(p)	
16Z8	GS J-325	10-10-63 1909	George A. Lutz		150	4	N N	p63	Ds			2,343	(p)	
16Z9	GS J-327	10-10-63 1909	C. I. Dunsmoore				N N		Ds			2,344	(p)	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-16210 GS	J-326	10-10-63 1909	B. Rozenski		140	4	N N N	p60	Ds			2,340	(p)	
17R1 GS		10-14-63			200		J 1		Dm	Na		2,347		
17Z1 GS		10-10-63					N N		Ds			2,326		
18A1 GS		10-11-63			0	7	N N		Ds	Tc	1.0	2,318		
18A2 GS		10-11-63			42.0	6	N N		Un	Tc	1.0	2,319	29.79	
18P1 GS		10-14-63	John H. Buck			8	S E		Dm	Na		2,343		
18Q1 GS		10-14-63	Jerome Blommer	1951	100	6	J 1		Dm	Tc	1.0	2,342	48.48	
18Q2 GS		10-14-63	C. W. Helm						Dm	Na		2,342		
18Q3 GS		10-14-63	C. W. Helm							Na		2,342		
18Q4 GS		10-14-63	L. S. Duke		110	8	J 1		Dm	Na		2,342		
18R1 GS		10-14-63	Eldred Worth		100	6	J 1		Dm	Tc	.8	2,342	49.80	
		10-17-51	Ed Heyman				J 1		S				31.91	
		11-15-51											32.00	
		3- 5-52											31.81	
18R2 GS	D	10-14-63 6-25-51	Breedlove	1951	149	R 8	J 1		Un	Tc	1.0	2,337	43.30	L
18Z1 GS	J-329	10-14-63 1909	Hamilton		270	4	N N N	p4	Ds			2,340	(p)	
18Z2 GS	J-330	10-14-63 1909					N N N		Ds			2,344	(p)	
19P1 GS		9-16-63	K. Scott		400	R 6	J 1		Dm	Tc	0	2,385	170.32	
19R1 GS		5-12-64	Los Angeles County Waterworks Dist. No. 4			12	T 60		Ps	Tap	2.0	2,386	154.62	P,W
			G. A. Duncan	1947	400	12		435						
FC-9912 SCE		11- 7-51 4-10-62		1905	10.0 610	4	N N N		Ds			2,357	(h)	
20C1 GS	J-244	9-17-63 1909					N N N	p153					(p)	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of top of well (feet)	Water level below top of well (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-20H1	GS J-234	9-17-63 1909	Judge Melrose	1892	0.5 64		N N N N	p5	Ds Un	Tc	2.0	2,352	(h) (p)	
20K1	GS	9-17-63	D. Hall	1942	330	6	S 2½		Dm	Na		2,367	125	
20L1	GS	12-13-63	Schultz		650		S 2		Dm	Tc	-10.3	2,375	151.60	
20M1	GS	9-18-63					S E		Dm	Na		2,373		
20N1	GS	9-18-63 1909	E. C. Coleman			4	N N N N	p18	Ds			2,364	(p)	
2022	GS J-178	9-17-63 1909	E. C. Coleman		501	5	N N N N	p81	Ds Ir			2,371	(p)	
2023	GS J-177	9-17-63 1909	E. C. Coleman	1903	509	5	N N C S	360	Ds Ir			2,373	(p)	
2024	GS J-180	9-17-63 1909	E. C. Coleman	1898	155	4	N N N N		Ds			2,365	(p)	
2025	GS J-179	9-17-63 1909	E. C. Coleman		342	4	N N N N	p9	Ds			2,363	(p)	
2026	GS J-241	9-17-63 1909	E. C. Coleman			4	N N N N	p18	Ds			2,363	(p)	
2027	GS J-241a	9-17-63 1909	E. C. Coleman	1892	125	2	N N N N	p2	Ds Un			2,361	(p)	
2028	GS J-245a	9-17-63 1909	A. W. Berry	1896		4	N N		Ds			2,353		
2029	GS J-245b	9-17-63 1909	A. W. Berry	1896	335		N N	p72	Ds			2,357	(p)	
20210	GS J-246a	9-17-63 1909	A. E. Ladner	1896	288	4	N N C S	p63	Ds			2,375	(p)	
20211	GS J-246b	9-17-63 1909		1896	335	4	N N C S	p32	Ds			2,376	(p)	
20212	GS J-237	9-18-63 1909	E. C. Coleman		100		N N N N	p9	Ds			2,362	(p)	
20213	GS J-235	9-18-63 1909	E. C. Coleman	1899	125		N N N N	p5	Ds Ir			2,363	(p)	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of Isd (feet)	Water level below Isd (feet)	Other data
										Description	Distance from Isd (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-20214	GS	9-17-63	E. C. Coleman	1898	336	4	N	p45	Ds			2,363	(p)	
1-176		1909					N							
21A1	GS	9-19-63	Los Angeles County Waterworks Dist. No. 4				N		Ds			2,364		L
D		3- 4-15	C. E. Marble	1915	301	C 10		450					f10	
21A2	GS	9-19-63					T		Un	Na	2,366			
21A3	GS	9-19-63			0	10	N		Ds		2,356			
21A4	GS	12-13-63				8	T		Un	Tc	8	2,365	124.70	
21C1	GS	9-19-63	Los Angeles County Waterworks Dist. No. 4				T		Ps	Na		2,358		C, L, P, W
D		4-26-55		1955	670	R 14		1,375						
21C2	GS	5-12-64	Los Angeles County Waterworks Dist. No. 4	1955	637	R 14	T 100	2,000	Ps			2,357	(a)	C, L, P, W
D		11-16-55			604.0									
P		4-24-59												
21C3	GS	12-19-63		1950			T		Dm	Na		2,349		
21E1	GS	9-19-63	Thompson			R 4	N		Un	Tc	0	2,353	95.49	
21F1	GS	9-19-63	Thompson	1917	500	8	S		Dm	Na		2,357	130	
21K1	GS	9-19-63					E		Un	Na		2,381		
21N1	GS	9-19-63				8	T		Un	Tap	1.2	2,380	146.68	
21Q1	GS	9-19-63	S. Moore			12	N		Un	Tc	.6	2,396	159.36	
21Z1	GS	9-19-63	J. K. Vance	1906	323	5	N		Ds			2,359	(p)	
J-212		1909					N	p108	Un					
21Z2	GS	9-19-63	Joe Taylor	1906	324	4	N		Ds			2,369	(p)	
J-229		1909					N	p63	Dm					
21Z3	GS	9-19-63	E. B. Wargren	1914	350	6	N		Ds			2,368	(p)	C
T-69		1914											3	
T		1920												
21Z4	GS	9-19-63	Mason	1916	254	8	N		Ds			2,385	f20	
D		3----16												

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-2125	GS J-319	9-19-63 1909	Henry Brown				N N C G		Ds			2,364		
2126	GS J-233	9-19-63 1909	B. Chatt	1908	317	5	N N N N	p5	Ds Ir			2,376	(p)	
2127	GS J-213	9-19-63 1909	Jerome Rapelstein	1907	354	6	N N N N		Ds			2,387	(p)	
2128	GS J-191	9-19-63 1909	Edwards & Gallagher	1897	250		N N N N		Ds			2,366	(p)	
2129	GS J-192	9-19-63 1909	Edwards & Gallagher	1897	405	4	N N N N		Ds			2,383	(p)	
22B1	GS D P SCE	5-12-64 8-41 4-3-59 3-13-62	Los Angeles County Waterworks Dist. No. 4	1941	602 547	R 16	T 60		Ps	Tap 1.5	2,377.0	182.20		C, L, P, W
22B2	GS D P	9-20-63 9-47 5-20-59	Los Angeles County Waterworks Dist. No. 4	1947	552 558.0	C 14	T 75	1,450	Ps		2,375	(a)		C, L, P, W
22H1	GS	10-1-63				12	T 20		Un	Na	2,400			
22K1	GS FC-9962C	10-1-63 4-14-61	Shaffer		400	8	N N N N		Un Un	Tc .6	2,407	184.52		W
22P1	GS D	10-1-63 5-20-22	Walker A. H. Lange	1922	300	C 10	N N		Un	Ls 0	2,414	186.52 f40		L
22R1	GS D	10-1-63 3-41	F. LaHogue	1941	250	R 8	T G T G		Un Dm	Tc 0	2,412			L, W
22R2	GS FC-9962B	10-1-63 2-17-53	Schmitz Motel		390	R 8	T 5 T		Dm Dm	Tap .5	2,411	186.8		W
22R3	GS D	10-1-63 2-6-16	J. G. Donovan	1916	151	C 8	N N	180	Ds		2,423	f16		L
22R4	GS	10-1-63	Lane			5	N N		Un	Na	2,419			
22Z1	GS J-207	9-30-63 1909		1895	567		N N G		Ds Un		2,395			

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 12 W.--Continued													
TN/12W-2272	GS J-208	9-30-63 1909	A. C. Noble		558		N N		Ds		2,380		
2273	GS J-209	9-30-63 1909	A. C. Noble	1898	112	8	N N		Ds		2,380		
23A1	GS 0	10-1-63 6-----63	Ray Dey	1950	450	8	T 20		Ir	Na	2,406	171	P
23B1	GS	10-1-63	D. L. Hughes	1920		6	T 5		Dm	Na	2,401		
23J1	GS	10-1-63					T E		Dm	Na	2,426		
23P1	GS FC-9972	10-1-63 6-1-45	Morris		420	10	T 25 T 25		Un	Na	2,425	113.5	
23Z1	GS J-248	10-1-63 1909	Bowman & McCartney				N N		Ds	HpB 0.5	2,410		
24A1	GS D	10-3-63 3-25-60	First Christian Church of Antelope Valley	1960	400	R 8	T 5		Dm	Tap 2.4	2,401	177.7	L
24A2	GS	10-3-63					N N		Ds		2,407		
24D1	GS J-205	10-2-63 1909	Myers		159	6	N N		Ds		2,405	(p)	
24F1	GS	10-8-63	Marion Granicy	1948	600	R	T 40		Ir		2,437	(a)	
24Q1	GS D FC-10002C	10-8-63 2-25-55 10-8-57	James Sloan	1955	622	R 14	T 50 T 50	800	Ir	Na	2,430	(a)	L,P
24Q2	GS	10-8-63	Marion Granicy	1924	600	7	T 1½		Dm	Na	2,435		
24Z1	GS FC-10002A	10-8-63 6-20-45	William Lucero		600		T		Ds	Bpb 0	2,434	(a)	
25A1	GS	8-29-63			233.5	14	N N		Ds	Tcc 1.5	2,439	dry	
25D1	GS	8-28-63				7	T N		Un	Na	2,438		
25M1	GS GS	8-28-63 10-17-51			236.5	8	L G L G		Un	Tc 1.5	2,455	dry	W
25W1	GS	8-28-63	Thomas Roberts			6	L G		Dm	Na	2,473	178.44	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-25P1	GS	8-28-63	Ludwig Shusterich				S 3		Dm	Na		2,470		
26G1	GS	8-29-63	Guillermo Avila	1945	183.7	C 8	N N		Ds	Tc	0	2,445	dry	
26K1	GS SCE	8-29-63 4-10-62	Los Angeles County Waterworks Dist. No. 4	1947	600	12	T 30	341	Ps	Tc	1.7	2,457.8	(h) 223.8	C, L, P, W
26K2	GS P	8-29-63 1959	Los Angeles County Waterworks Dist. No. 4		456.0	R 12	T 30		Ps	Tap	2.0	2,459.1	249.97	C, W
26P1	GS	8-29-63	Wiley Mooneyham		240		S 1		Dm			2,462	(a)	
26P2	GS	8-29-63	Harold Hicks			R 6	S 1½		Dm	Na		2,469		
26P3	GS	8-29-63	Harold Hicks			6	N N		Un	Na		2,469		
26Q1	GS P	8-29-63 7-24-63	Arthur Anderson		273.0		S 1½		Dm	Na		2,460	231	
27A1	GS	12- 9-63					T 10		Ir	Na		2,426		L
27A2	GS D	9-16-63 2-11-49	Poultrymen's Co-op. Association	1949	400	R 8		456	Un	Na		2,428	143	
27D1	GS	12- 9-63		1946	352		T E		Ir	Na		2,427		
27F1	GS	12- 9-63	Mt. View Farms				T 60		Ps	Na		2,444	(a)	
27H1	GS WRB WRB WRB	1-14-64 12- ---49 4- ---54 4- ---59	Mutual Water Co. Roy T. Nishimoto				T 75		Ir	Tap Bpb	.3 2.0	2,449	197.29 151	P
				1949	500	14		810					al84	
27H2	GS D	9-16-63 5- 1-59	Los Angeles County Waterworks Dist. No. 4	1959	700	R 14	T 100	2,175	Ps			2,441	(a) 210	C, E, L, P, W
27J1	GS	12- 9-63	A. J. Lowe				S E		Dm	Na		2,449		
27J2	GS	12- 9-63					T N		Un	Tap	1.0	2,453		
27J3	GS	12- 9-63	Carnation Milk Co.			6	N N		Un	Na		2,454		
27J4	GS D	9-16-63 6-11-56	Los Angeles County Waterworks Dist. No. 4	1956	1,102	R 14	T 75	2,100	Ps			2,448	(a) 196	C, E, L, P, W



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 12 W.--Continued													
TN/12W-27J5	GS D P	9-16-63 7-53 4-8-59	Los Angeles County Waterworks Dist. No. 4	1953	700 651.5	R 14	T G	1,100	Ps		2,449	195	C, E, L, P, W
27N1	GS	12-9-63	R. N. Peltzer	1958	350	R 14	T 50		Ir	Na	2,457	(a)	
27P1	GS WRB	12-9-63 1947	R. N. Peltzer	1947			T 50		Ir	Na	2,465	169 174.15 200	
FC-9953	WRB	11-7-51 1956			508		T 50		Ir	Bpb 0.3			
27R1	GS WRB	12-9-63 1948	Latham Edward T. DuFrene	1948	316	R 12	S E		Dm	Tap 1.6	2,476	b e243.21 W	
FC-9963A		11-7-51							Ir				
27R2	GS	12-9-63	Sobel		260		T E		Dm	Na	2,466		
27R3	GS	12-9-63					L N		Un	Hpb 0	2,468	244.61	
27R4	GS	9-18-63		1947	350	8	N N		Un	Tc .3	2,470	244.37	
28E1	GS FC-9933B	12-9-63 9-17-57	Antelope Park Mutual Water Co.	1955	400	R 12			Ps Dm	Na Na	2,418		L
28H1	GS	9-10-63	Clyde Parks			6	S 1	6	Un	Na	2,420		
28H2	GS	9-10-63			0	N	N N		Ds		2,427		
28I1	GS	9-10-63	Clark	1959	300	R 6	S 2		Dm		2,427	192	
28M1	GS DWR-28A	12-19-63 2-12-47	George Babcock	1944	400	R 14 14	S E	735	Dm	Ls 0	2,431	210.57 120	L
28P1	GS	9-10-63 10-21-54	W. S. Babcock	1947	407	R 12	T 35 T 35		Ir	Tap 1.5	2,447	(a) 181.89	P, W
28B1	GS GS GS GS	9-11-63 10-17-51 11-15-51 3-5-52	N. Zerfing	1928	250	R 8	L N L E		Un Dm	Tc .05 Tcc .20	2,395	44.29 108 110.69 105.35	
29F1	GS FC-9923A	9-11-63 11-14-58	Mt. View Farms Mutual Water Co. Post	1926	470	C 12	T 50		Un		2,415	130.7	L

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-29F2	CS	12- 9-63	Mt. View Farms Mutual Water Co.	1956	464	R 14	T 100		Ps	Tap	1.5	2,415	188.95	L
	D	4- 1-56	E. R. Post											
29J1	CS	9-11-63				3	$\frac{1}{2}$		Un	Na		2,431		
29J2	CS	12-16-63	Mt. View Farms Mutual Water Co.	1927		R 8	N N		Un	Tc	0	2,425	197.65	
29K1	CS	9-11-63	Allan		89.7	6	N N		Ds	Tc	.1	2,430	dry	
29P1	CS	12-19-62	Mt. View Farms	1927	500		T 35		Ps	Tap	1.8	2,449	233.97	C,W
	FC-9923	12- 9-39	Mutual Water Co.				T			Bpb	.4			
29R1	CS	9-11-63		1924	480	C 12	N N		Un	Tc	0	2,447	220.34	L
	D	4-23-24	Post										75	
29R2	CS	9-11-63	Buttler	1963	125		S E		Un	Na		2,447		
30C1	CS	8-27-63	Albert Hodgson	1912	600	10	T 15		Ir	Na		2,393		
30C2	CS	8-27-63	George Cox		250	7	J 1		Dm	Na		2,395		
30D1	CS	8-27-63	A. E. Myer	1951	200	R 6	N N		Un	Tc	0	2,387	142.37	
30D2	CS	8-27-63	A. E. Myer	1957	265	R 8	T 3		Dm	Na		2,387		P
30Q1	CS	8-27-63	Bud Aven	1929	420	12	T 75		Ir	Na		2,438	190	
	WRB	1953											220	
	WRB	1956						781						
	SCE	2- 2-62												
30R1	CS	8-27-63	H. W. Schafer	1929	420	14	T 75		Ir			2,440	(a)	
	WRB	10-25-51				16							162	
	WRB	4- 4-52											151	
	WRB	8- 3-54											186.7	
	WRB	8- 1-56											210	
31B1	CS	7-18-63	Quartz Hill County			14	T 15		Un	Tap	.5	2,443	221.19	C,P,W
	SCE	4-19-55	Water Dist.		600	14		511	Dm					
	FC-9914	9-11-57												
31H1	CS	7-18-63	Quartz Hill County			16	N N		Un	Bhc	.7	2,478	249.59	
			Water Dist.											
32A1	CS	8-22-63	Antelope Valley	1947	540	12	T E	197	Ps	Na		2,450		P
	WRB	1956	Water Co						Ps	Ls	0		190	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below (feet)	Altitude of top of well (feet)	Water level below top of well (feet)	Other data
T. 7 N., R. 12 W.--Continued													
7N/12W-32C1	GS	8-22-63	J. P. Munson			12	S E		Dm	Na	2,455		
32D1	GS	8-22-63	Wolverton			12	N N		Un	Na	2,452		
32J1	GS	8-22-63			1.8	6	N N		Ds	Tc	2,488	dry	W
	T-166	10-4-21	Lord			6			Ds	Hpb	1.0	115.1	
	FC-9934	11-17-39			153						1.0		
32R1	GS	8-22-63	Antelope Valley Water Co.		0	N N	N N		Ds		2,522		
	FC-9935	11-9-37	Guy W. Huffaker		202	10			Un			172.3	
32R2	GS	8-22-63	Antelope Valley Water Co.				T 50		Ps	Tc	.5	2,523	L,P,W
	D	6-5-50	W. N. Taylor	1950	437	R 12							
33M1	GS	8-26-63	Vern Hanson		384	6	T 7½		Dm	Na	2,502		
33R1	GS	8-23-63	White Fence Farms	1958			T 75		Ps	Na	2,520	216	L,P,W
	D	1-30-51	Mutual Water Co.	1951	622	14		398					
	SCE	6-26-62											
33R2	GS	8-23-63	White Fence Farms Mutual Water Co.				T E		Ps		2,520		
34A1	GS	8-23-63					T 7½	450	Un	Na	2,479	120	L
	D	1-23-24	G. F. Phillips	1924	302	C 10							
34A2	GS	8-23-63	Harry Levinsky	1946	400	R 10	T 7½		Un	Na	2,485		C,L
	D	7-4-46	Whitehead										
34A3	GS	8-23-63	George Christock	1945	350	R 8	T 7½		Dm	Na	2,490	170	L
	D	12-4-45	J. S. Green										
34B1	GS	8-23-63	Western Amusement Co.	1953	425	8	S 5		S	Na	2,475	235	
	P	10-13-60											
34D1	GS	8-26-63	Feltzer				T 25		Ir		2,476	(a)	
34E1	GS	8-26-63		1928	555	16	T 50		Ir	Hpb	0	(a)	C,W
	FC-9954	12-3-41	George Lane				T		Ir		2,493	155.8	
34H1	GS	8-26-63			110.1	10	N N		Ds	Tcc	.9	dry	W
	FC-9964	3-3-39			172.2					Tc	.8		
34N1	GS	8-26-63			400	6	N N		Un	Tc	3.0	284.75	
	D	11-8-57	A. N. Fetterly		400	6						244	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Obscrip- tion	Distance above or below (feet)			
T. 7 N., R. 12 W.--Continued														
7N/12W-341/2	GS	8-26-63	Paul Connas	1959	450	R 8	S E		Ir	Na		2,521		
34R1	GS	8-26-63												
	D	12-----45	George Padgett	1945	300	R 8	T N		Un	Na		2,525		I
3501	GS	8-27-63	Landale Mutual Water Co.		630		T 50		Ps	Na		2,497		
3502	GS	8-27-63	Landale Mutual Water Co.	1956	630		T 60		Ps	Tap 0		2,497	(h)	
35M1	GS	8-26-63	Sierra Mutual Water Co.	1948	540	R 12	T 40		Ps	Tap .5		2,512	272.26	C
	WRB	1948								1.0			209	
	WRB	1957											239	
T. 7 N., R. 13 W.														
7N/13W-1Q1	GS	7-25-63	A. Heising			6	J 1		Dm	Na		2,330		
2D1	GS	7-31-63				8	L H		Un	Tc	1.0	2,356	20.04	
2D2	GS	7-31-63			29.2	6	N N		Ds	Tc	.5	2,356	dry	
2E1	GS	7-31-63	W. Candelaria	1960	200	5	L 1		Dm	Na		2,354		
2J1	GS	7-30-63			52.7	5	N N		Un	Tc	.7	2,345	48.27	
2J2	GS	7-30-63				R 6	T N		Un	Na		2,346		
2K1	GS	7-30-63					L H		Un	Na		2,348		
2K2	GS	7-30-63				6	N N		Un	Tc	.5	2,349	61.63	
2K3	GS	7-30-63				6	N N		Un	Na		2,347		
2Q1	GS	7-30-63				6	N N		Un	Tc	.5	2,347	55.30	
2Q2	GS	7-30-63				6	N N		Un	Tc	.5	2,347	51.50	
2Q3	GS	7-30-63							Un	Na		2,347		
2Q4	GS	7-30-63				6	N N		Un	Tc	0	2,349	55.20	
2R1	GS	7-29-63	Joseph L. Brady	1954	250	7	J 3		Dm			2,342	(h)	
2R2	GS	7-30-63				R 6	N N		Un	Bhc	1.0	2,342	49.47	
2R3	GS	7-30-63				R 6	N N		Un	Tc	0	2,342	51.08	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 13 W.--Continued													
7N/13W-2R4	GS	7-30-63			46.8	R 6	N N		Ds	Tc 0	2,344	dry	
2R5	GS	7-30-63	Tony Batacao	1952	150		J 1		Dm	Na	2,344		
2Z1	GS J-42a	7-30-63 1909	R. Riddell			6	N N		Ds		2,350	(p)	
2Z2	GS J-42b	7-31-63 1909	R. Riddell			3	N N		Ds		2,351		
2Z3	GS J-42c	7-31-63 1909	R. Riddell			3	N N		Ds		2,353		
2Z4	GS J-183	7-30-63 1909	Burns		302	4	N N	90	Ds		2,343		
3A1	GS	7-31-63	Gerald Reaves	1955	120	8	S 2½		Dm	Na	2,360	55	
3A2	GS	8- 1-63	Mrs. Peggy Rushing	1956	130	R 8	J 1		Dm	Na	2,358		
3A3	GS	8- 1-63	Kasper Van Heise	1956	140	R 8	T 1½		Dm	Na	2,359		
3B1	GS	7-31-63	James Brown			R	T 1		Un	Na	2,366		
3C1	GS WRB	8- 1-63 3-21-28	Henry S. Webb	1928	400	R N 14	N N		Ds	Tc 0	2,370	56	
3J1	GS	8- 1-63	E. L. Sarina		92.6	8	N N		Ds	Bpb 1.0	2,366	dry	
3K1	GS WRB O	8- 1-63 1953 3-23-60	Mrs. Frank Hutton	1937	500	12	T 5		Dm	Na Ls Ls 0	2,373	165 125	
3Q1	GS	7-31-63	Gus Eliopolus	1924	500	R 14	S 5		Dm	Na	2,373		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. N., R. 13 W.--Continued														
N/13W-10B1	GS D	8- 6-63 11-19-51	Peter Jacobs Roy E. Olson	1951	504	R 12	T 40	1,144	Ir			2,366	(a)	L, P
10E2	GS	6- 4-63												
10H1	GS J-17	8- 7-63 1909	C. N. Post	1903	376	12	S E		Un	Tcc 0.5		2,366	(e)	
10J1	GS J-58	8- 7-63 1909	C. N. Post		0 275	4	N N	p72	Ds			2,358	(p)	
10J2	GS J-46	8- 7-63 1909	C. N. Post	1902	0 360	N 4	N N	p126	Ds			2,354	(p)	
10J3	GS J-51	8- 7-63 1909	C. N. Post	1902	360	4	N N		Ds			2,357	(p)	
10J4	GS J-52	8- 7-63 1909	C. N. Post	1899	280	4	N N	72	Ds			2,358		C
10J5	GS J-57	8- 7-63 1909	C. N. Post		280	4	N N	p72	Ds			2,356	(p)	
10J6	GS J-59	8- 7-63 1909	C. N. Post		300	4	N N	p18	Ds			2,356	(p)	
10J7	GS J-60	8- 7-63 1909	C. N. Post				N N		Ds			2,355		
10J8	GS J-61	8- 7-63 1909	C. N. Post				N N		Ds			2,355		
10R1	GS	8- 6-63	Martin				L W		Dm	Na		2,350	(a)	
10R2	GS J-48	8- 7-63 1909	C. N. Post	1899	2.3 385	5	N N		Ds	Tc .5		2,356		
10Z1	GS J-118	8- 7-63 1909	C. N. Post	1902	325	4	N N	p36	Ds			2,355	(p)	
10Z2	GS J-50	8- 7-63 1909	C. N. Post		280		N N		Ds			2,356		
10Z3	GS J-119	8- 7-63 1909	C. N. Post	1894	256	4	N N	p108	Ds			2,355	(p)	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance below lsd (feet)			
T. 7 N., R. 13 W.--Continued														
7N/13W-1024	GS J-175	8- 7-63 1909	C. N. Post	1898	385	4	N N N		Ds			2,356	(p)	
1025	GS J-53a	8- 7-63 1909	C. N. Post	1908	275	10	N N C		Ds Ir			2,362		
1026	GS J-53b	8- 7-63 1909	C. N. Post	1908	425	8	N N C		Ds Ir			2,362	(p)	
1027	GS J-54	8- 7-63 1909	C. N. Post		374	4	N N C	p9	Ds S			2,358	(p)	
1028	GS J-55	8- 7-63 1909	C. N. Post		400	4	N N N	p9	Ds Ir			2,357	(p)	
1029	GS J-56	8- 7-63 1909	C. N. Post		360		N N N		Ds			2,356	(p)	
10210	GS J-257	8- 7-63 1909	C. N. Post			6	N N N	p45	Ds Ir			2,367	(p)	
10211	GS T-57	8- 7-63 1920	J. C. Clark	1914	500	12	N N T	720	Ds			2,362		P
10212	GS J-117	8- 7-63 1909	C. N. Post	1897	290	4	N N N	p90	Ds Ir			2,355	(p)	
1101	GS FC-111168B	8- 5-63 3-12-45	William Schwartz		45.4 500	9	N N N		Un	Tc 0		2,354	45.1	W
1102	GS FC-111168C FC	8-12-63 11- 6-45 12- 3-45	William Schwartz		23.1 196.0	9	N N		Ds	Tc .5		2,353	6.9 6.79	
1101	GS	8- 5-63 5-18-55	William Schwartz Pond		8.4	D 96 D	N N C N		Un	Tc 0		2,356	7.1	W
1102	GS FC-111168D	8- 5-63 5- 8-45			0 450	N 8	N N		Ds	Tc 3.0		2,358	88.2	W
1103	GS FC-111168E	8- 6-63 7-24-45	William Schwartz Long		60	6	T L W		Un Dm	Na Tc -1.0		2,358	447.4	W
1104	GS	8- 6-63 12- 5-51	William Schwartz Stillman Pond		325 332	12	T 5 T 25		Dm Ir			2,355	(a) (e)	C

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 13 W.--Continued														
7N/13W-11D5	GS D	8- 6-63 2- 3-17	Reese Snowden	1917	351	C 12	N N		Ds			2,357	f16	
11D6	GS D	8- 6-63 1-28-17	Reese Snowden	1917	351	N 12	N N	900	Ds			2,357		L,P
11D7	GS FC-111681	8- 6-63 7-24-45	Long		0	N N	N N E		Ds	Na		2,357		
11E1	GS DMR-111	8- 5-63 2-27-47	D. W. Long	1946	200	R 6	T $\frac{1}{2}$		Un	Na		2,354		L
11L1	GS	8- 5-63	Robert Trentham	1954	100	C 6	J $\frac{3}{4}$		Dm	Na		2,345		
11L2	GS	8- 5-63	Mrs. R. H. Brown		100	6	J $\frac{3}{4}$		Dm			2,345	(a)	
11L3	GS	8- 5-63	Frank Carnes		190	6	T 1		Dm	Na		2,345		
11L4	GS	8- 5-63	Wallace Burkitt		200	6	T 1		Dm	Na		2,348		
11M1	GS FC-11168	8- 6-63 11-17-39	John Payne		5.8	6	N N L H		Ds Dm	Tc 0		2,354	dry 14.0	W
11M2	GS	8- 5-63				6	T 1		Dm	Na		2,352		
11M3	GS	8- 5-63	Lewis Kellog			6	T 1		Dm	Na		2,353		
11M4	GS	8- 5-63							Dm	Na		2,353		
11N1	GS	8- 5-63	Cecil Britt		100	6	T 1		Dm	Na		2,348		
11N2	GS	8- 5-63				6	L H		Un	Na		2,347		
11N3	GS	8- 5-63	K. J. McKay		168	C 8	T $\frac{1}{2}$		Dm	Na		2,350		
11N4	GS	8- 5-63	K. J. McKay		100	R 6	T 1		Dm	Na		2,350		
11Z1	GS J-43a	8- 6-63 1909	Reese Snowden	1904	0	N 5	N N	63	Ds Ir			2,358		
11Z2	GS J-43b	8- 6-63 1909	Reese Snowden	1904	380	N 5	N N	18	Ds Ir			2,358		
11Z3	GS J-43c	8- 6-63 1909	Reese Snowden	1904	0	N 5	N N		Ds Ir			2,358		



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 13 W.--Continued													
7N/13W-1124	GS J-116	8- 5-63 1909	Reese Snowden	1897	0 465	N 4	N N	p108	Ds Ir		2,352	(p)	
1125	GS J-45	8- 5-63 1909	Tot C. Alston	1898	0 400	N 5	N N	36	Ds Ir		2,354	(p)	
1126	GS T-56	8- 5-63 1-16-20	Reese Snowden	1918	0 500	N 6	N N		Ds		2,352	7.5	
1127	GS J-115	8- 6-63 1909	Reese Snowden	1896	0 535	N 3	N N	p27	Ds		2,355	(p)	
1128	GS J-44	8- 6-63 1909	Reese Snowden		0	N 8	N N	54	Ds Ir		2,355		
1129	GS T-56	8- 5-63 1-16-20	Reese Snowden	1918	225	6			Ds		2,352	+3.75	
12D1	GS	8- 2-63			7	7	T 1		Un	Na	2,335		
12D2	GS	8- 2-63	John Ekstrom		125	8	T 1		Dm	Na	2,335		
12D3	GS	8- 2-63			8	8	T 5		Un	Na	2,337		
12D4	GS	8- 2-63			15	15	L W		Un	Tcc	2,337	30.79	
12D5	GS	8- 2-63			8	8	J N		Un	Tc	2,338	45.99	
12D6	GS	8- 2-63	R. L. Hammock	1950	140	8	S E		Dm	Na	2,335	a80	
12E1	GS	8- 2-63	Milford Ogren			6	T 3/4		Dm	Na	2,335		
12E2	GS	8- 2-63	Curtis Otto	1950		6	T 1		Dm	Na	2,335		
12K1	GS	8- 1-63			2.9	3	N N		Ds	Tc	2,328	dry	
12N1	GS	8- 2-63	John Williams		150	7	J 1		Dm	Na	2,334		
12N2	GS	8- 2-63				7	T N		Un	Na	2,335		
12N3	GS	8- 2-63	Henry Bekgaard		100	8	T 1		Dm	Na	2,335		
12Q1	GS J-256	8- 1-63 1909	H. D. Vreeland			4	L H N N		Un S	Na	2,330	(p) 14.7	
	FC-11199	12- 8-48					L W		S	Tc	2.0		

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 13 W.,--Continued													
7N/13W-1341 GS		8- 8-63				15	T D		Un	Na	2,349		
13Q2 GS		8- 8-63					T 5		Un	Na	2,348		
1341 GS T-60		8- 8-63 1920			0	N	N N	250	Ds		2,341	+6	
14D1 GS DWR-14A		8-14-63 5-20-46 5-14-57	Mira Loma Facility Polaris Air Field	1941	500 268	R 14	N N		Un		2,351	85	L
1440 GS D		8-14-63 7-1-44 5-14-57	Mira Loma Facility	1941	0 500 375	R 12	N N		Ds		2,352		L
1440 GS D		8-14-63 7-1-44 5-14-57	Mira Loma Facility	1957	950	R 14	T G	2,250	Ps		2,350	(a) f162	L,P,W
1440 GS DWR SCE		8-14-63 4-12-61 4- 9-62	Mira Loma Facility		570	R 14	T 60 T 60	567	Ps	Bpb 1.5	2,350	(a) 149.7	L,P,W
1441 GS J-24		8-14-63 1909	Mrs. Hartnett		0 250	2	N N N N	p12	Ds		2,353	(p)	
1441 GS J-49		8-13-63 1909	Mira Loma Facility Hoyt		0	N	N N N N		Ds Un		2,351	(p)	
15A1 GS J-47/c		8-15-63 1909	J. W. LaForce		11.1	7 4	N N N N		Ds	Tc 2.5	2,355	dry (p)	
15A GS		8-15-63			21.0	8	N N		Ds	Tc 1.0	2,355	dry	
15P1 GS		8-15-63	Wallace Carter	1957	150		J 1		Dm	Na	2,357		
1521 GS T-59		8-13-63 1-10-20			0	N	N N N N	p25	Ds		2,350	(p)	C,W
1522 GS J-250		8-14-63 1909	Dr. LaForce		0 335	N 4	N N N N	p18	Ds		2,355	(p)	
1523 GS J-251		8-14-63 1909	J. W. LaForce	1885	0 220	N 7	N N N N	p108	Ds		2,354	(p)	
1524 GS J-47a		8-15-63 1909	J. W. LaForce	1894	0 250	N	N N	p27	Ds		2,357	(p)	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 7 N., R. 13 W.--Continued														
7N/13W-1525	CS J-47b	8-15-63 1909	J. W. LaForce	1896	0 387	N	N N N		Ds			2,357	(p)	
1526	CS J-47d	8-15-63 1909	J. W. LaForce		0	N 4	N N N		Ds			2,355	(p)	
1527	CS J-47e	8-15-63 1909	J. W. LaForce	1896	0 376	N	N N N	p81	Ds			2,356	(p)	
1528	CS J-47f	8-15-63 1909	J. W. LaForce		0	N 4	N N N		Ds			2,357	(p)	
22A1	CS D	8-15-63 12-11-61	Richard Kingston Bonnafox Bros.	1961	500	R 6	S E		In	Na		2,361		L
22H1	CS	8-15-63	Richard Kingston	1935	193.9	12	N N		Un	Tc 0		2,370	131.97	
22J1	CS	8-16-63	R. F. Kibler	1957	290	R 8	S 5		Ir	Na		2,370		
22J2	CS	8-16-63	Alesso Farm				T 40		Ir	Na		2,376		
22K1	CS	8-16-63	Frank Claremore			7	S E		Dm	Na		2,373		
22K2	CS	8-16-63	Frank Claremore			14	T 35		Ir	Na		2,372		
22L1	CS	8-16-63	Mrs. Kobbs			4	L N		Un	Na		2,368		
22Q1	CS D SCE	8-16-63 4-17-45 7-25-62	Walter Schneider	1945	450	R 12	T 60		Ir Ir	Na Na		2,379	139	L, P, W
22Q2	CS SCE	8-19-63 4-22-58	Walter Schneider			14	S 3/4		Dm	Na		2,380	363	P
22R1	CS	8-17-63	R. E. Stevens	1951	475	R	T 25		Ir	Na		2,385		L
22Z1	CS J-251	8-19-63 1909	J. C. Hannah		0 260	N 4	N N N		Ds			2,363	(p)	
23B1	CS	8-19-63				8	T 1		Un	Na		2,353		
23E1	CS	8-19-63				7	N N		Un	Na		2,362		
23E2	CS D	8-19-63 2-20-23	Reese Bourland	1923	351	N 14	N N	900	Ds			2,369	f14	L

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance above or below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 7 N., R. 13 W.--Continued													
7N/13W-23F1	GS FC-9871A	8-19-63 4-17-53	Jack P. Kalpakff	1946	175.7 500	12 14	N N		Un	Tc 0	2,368	67.67	
23H1	GS J-247 T-61	8-19-63 1909 1-10-20	Sibley	1893	0 211.0	N 7	N N N N N N	p9	Ds Un	Tc 1.1	2,355	.6	W
23N1	GS FC-9862 FC SCE WRB	8-19-63 11-6-45 11-7-51 4-21-55 2-28-57	Harry Levinsky		0 540	14 14	N N T E T 50	484 484	Ds	Hpb 1.0	2,385	61.2 66.8	P
23Q1	GS D WRB	8-19-63 1951 1952	Sutie N. Yee A. E. Harrison J. A. Lingo	1951	448	R 12	T 40 T 40	360	Dm	Na	2,387	al88.5	L
23R1	GS D SCE	8-19-63 9-29-50 8-12-55	George W. Iane	1950	437	R 12	T N	457	Un	Na	2,384	76	L, P
24B1	GS D	8-21-63 2-19-49	A. E. Carnes Eugene Carnes	1949	200	R 8	T 15		S	Na	2,350		L, W
24B2	GS	8-20-63	O. L. Petrie	1961	172	C 6	T 3		Dm	Na	2,354		
24B3	GS 0	8-20-63 1942	O. L. Petrie		87	R 8	N N		Un	Tc .5	2,353	59.07	
24F1	GS	8-20-63	Mary K. Fejeran	1956	380	12	T 7½		Ir	Na	2,353		
24F2	GS	8-20-63	Mary K. Fejeran	1956	200	R 8	N N		Un	Tap 0	2,353	89.88	
24F3	GS	8-20-63	Mary K. Fejeran	1952	200	6	T 1		Un	Na	2,361		
24G1	GS WRB WRB WRB	8-20-63 1937 1945 1956	Eldon J. Probert	1937	300	R 12	T N T 15 T 15 T 30		Un	Na Tc	2,358	37 37 a210	
24H1	GS D	8-21-63 8-24-20	G. M. Riss	1920	0 252	C 12	N N	675	Ds Dm	Tc 0	2,355	20	L
24H2	GS	8-21-63	Joseph Curran		250	10	S 2		Dm	Na	2,362		
24J1	GS	8-21-63	Harvey High	1955	362	R 8	T 7½		Ir	Na	2,363		

See footnotes at end of table.



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance below lsd (feet)			
T. 7 N., R. 13 W.--Continued														
7N/13W-26D1	GS	8-7-63	R. L. Williams	1951	450	R 6	T 15		S	Na		2,397		
26E1	GS	8-6-63	S. E. Truhan				N N		Ds			2,409		
26H1	GS C	8-6-63 1961	Knesel	1950	250	R 6	S 1		Dm	Na		2,404	90	
26J1	GS D	8-6-63 8-1-63	E. T. Earl	1919	501	C 16	N N	900	Ds			2,413	58	L
26L1	GS D DMR	7-18-63 4-5-57 4-17-58	Palm Ranch Irr. Dist.	1957	606	R 14	T 100 T 100	1,200	Ps	Tap	0.5	2,417	(h) 254.4	L, P
26K1	GS M M	8-6-63 10-10-46 7-6-58	John Eisele Del Sur Oil Co. Antelope Valley Oil and Dev. Co.	1945 1958	3,025 v4,112	R 7 12	N N T		Un T	Na		2,412		
26M1	GS	8-6-63	Mrs. S. Siefert		400		S 3		Dm	Na		2,418		
26N1	GS	8-6-63	John Eisele	1926	450	C 16	T G		Un	Hpb	3.0	2,433	294.70	
26R1	GS	7-18-63	John Eisele		475		T 100		Ps	Tap	0	2,433	(a)	P
	WRB WRB WRB SCE	8-14-63 8-5-56 8-5-59 4-16-65	Palm Ranch Irr. Dist. Palm Ranch Mutual Water Co.	1926	500	16		419					at 24.2 a 300 251.6	
27A1	GS D	8-6-63 6-1-46	W. Schneider Jim Sumerenko	1946	349	R 12	N N		Ds			2,395		L
27B1	GS	8-6-63	W. Schneider				J E		Dm	Na		2,388		
27C1	GS	8-6-63	W. Schneider			12	T 30		Ir	Tc	1.0	2,387	(a)	
27D1	GS	8-7-63	Marvin Stephens				N N		Ds			2,412		
27E1	GS D	8-7-63 1-1-62	Godde Brothers Forrest G. Godde	1962	500	R 16	T 60	500	Ir	Tap	1.0	2,397	(a) at 24	L
27F1	GS P WRB DMR	6-4-63 7-1-63 1-28-57 4-30-63	Sundown Ranch Co. Godde Brothers	1948	538	R 14	T G	685	Ir	Tap	1.0	2,425	(a)	P, W
													318.2	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 7 N., R. 13 W.--Continued														
7N/13W-27R1	GS	8- 7-63	Stephen Martin	1951	555	R 12	T 75	75	Ir	Tc	0.5	2,414	(a)	
	GS	12-12-51			556		T 75	765	Ir				195.2	
	WRB	1954											a360	
27R2	GS	8- 7-63	E. M. Gorsline	1944	300	R 10	T 5		Dm	Na		2,418		L
	D	10-30-44												
27R3	GS	8- 7-63	E. M. Gorsline	1926			N N		Ds			2,418		
	FC-9863	10-18-47					L W		Dm					
2721	GS	8- 7-63	Godde Bros.				N N		Ds			2,400		
	M	12- 7-59	COMCO, Godde No. 1	1959	2,129		N N		T					
34B1	GS	8- 5-63	Quartz Hill High School				T 60		Ir	Tap	2.0	2,433	351.40	E, L
	D	12-15-58	H. L. Cogerty	1958	475	R 14								
34C1	GS	6- 5-63			0		N N		Ds	Tc	.8	2,440		L, P
	D	4- 5-51	O. L. Lake	1951	450	R 12								
34H1	GS	8- 2-63	Myro Packing Co.		110.1	8	N N		Ds	Tc	.4	2,458	dry	W
	FC-9864	11-17-39	E. P. Wieman		167.6		L W		Dm				a160.85	
34H2	GS	8- 2-63	Myro Packing Co.		279.5	R 14	N N		Ds	Bhc	0	2,459	dry	
34H3	GS	8- 2-63	Myro Packing Co.		235.5	10	N N		Ds	Tc	-.5	2,443	dry	
34J1	GS	8- 2-63	Godde Bros.	1946	410.0	R 12	N N		Un	Tc	1.0	2,464	(d)	W
	WRB	8-13-46			444									
34J2	GS	8- 2-63	Godde Bros.	1956	690	R	T 50		Ir	Tap	1.0	2,463	340.35	L, W
	FC-9864C	10-29-57				14	T 50		Ir					
34J3	GS	8- 2-63			2.0	R 6	N N		Un	Tc	1.0	2,476	(h)	
34Z1	GS	8-14-63					N N		Ds			2,465	99	
	J-25	1909	Jake Ablutz			D 48								
35B1	GS	7-18-63	Quartz Hill County Water Dist.				T 40		Ps	Tap	.5	2,436	a406.5	C, L, P, W
	FC-9874	12- 7-53	Hayborn Ranch	1946	472	R 14	T	262	Ps					
	SCE	9-21-60												
35C1	GS	7-18-63	Quartz Hill County Water Dist.	1952			T 50		Un	Tap	.4	2,437	306.27	C, L, P
	D	12- ---52	Frank Lane		541	R		408						
	SCE	3- 6-58												



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Distance above lsd (feet)	Description (feet)			
T. 7 N., R. 13 W.--Continued														
7N/13W-35D1	GS	8- 5-63	Frank Lane	1915	0		N N		Ds			2,424	f77	L
	D	11- 4-15	Donald Graham		541	C 16	T	315					53	
	T-64	4- - - -16	G. C. Earl		541	16								
35E1	GS	8- 5-63	Frank Lane	1930	440	16	T 50	400	Ir	Bpb 1.3		2,443	(a)	C, W
	DMR	11-19-53	W. Read				T 50						196.8	
35M1	GS	8- 5-63		1913	400	8	L	315	Ds			2,477	85	C
	T-65	1913	G. C. Earl				L	90					95	
	T-65	1919												
36B1	GS	7-18-63	Quartz Hill County				N N		Un	Na		2,429		
	GS	7-18-63	Water Dist.											
36D1	GS	7-18-63	Palm Ranch				T 100		Ps	Na		2,445		P
	WRB	1947	Irr. Dist.	1947	600	R 16							a230	
	WRB	2- 5-56	Palm Ranch										a300	
	SCE	4-16-63	Mutual Water Co.											
36D2	GS	8- 5-63		1914	0		N N		Ds			2,440	f72	L
	D	8-13-14	E. T. Earl		466	C 16		558					79	
	T-67A	1-14-20					L							
36D3	GS	8- 5-63		1914	0		N N		Ds			2,440	78.9	
	T-67	1-14-20	E. T. Earl		466	8		100						
T. 8 N., R. 11 W.														
8N/11W-26N1	GS	10-15-63			120.0	14	N N		Ds	Tc .5		2,342	dry	
	26N2	GS							Ir	Na		2,342		
26P1	GS	10-15-63	William Hays				S E		Dm			2,343	(a)	
	GS	9-19-51	R. Jones	1948	1,200	14	T 50		Ir	Na				
26P2	GS	10-15-63					T G		Ir			2,343	e194	
	GS	9-19-51	R. Jones		300	16	T 50		Ir	Tc 1.0				
26R1	GS	10-14-63	R. C. Jones	1946	300	R 12	T 15		S	Tc 1.0		2,346	(a)	L
	GS	9-20-51	R. Jones				T 30		Ir				(a)	
26R2	GS	10-14-63	R. C. Jones	1945	281	R 12	S E		Dm	Na		2,346		L
	GS	9-20-51	R. Jones				S E		Dm	Na				

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 8 N., R. 11 W.--Continued														
8N/11W-27N1	CS	10-21-63	George Schwartz	1951	230		S E		Dm	Tcc	0.8	2,336	147.65	
	CS	9-10-51					T 20		Ir	Na				
27N2	CS	10-21-63	George Schwartz				N N		Ds			2,336		
27P1	CS	10-21-63	Ted Ballinger				T 25		Ir	Na		2,338		
	CS	9-20-51					T 25		Ir	Na				
27P2	CS	10-21-63	Ted Ballinger		235.5	12	N N		Un	Tc	-1.0	2,337	156.83	
27Q1	CS	10-21-63	Ernest Bailey			14	S E		Un	Bhc	.5	2,339	163.41	
	CS	9-21-51				R 14	S E		Ir	Hpb	1.0		166.02	
27Q2	CS	10-21-63	Ernest Bailey			6	S 1½		Dm	Na		2,339		
27R	CS	10-15-63	R. C. Owen	1947	288	R 12	T 30	450	Ir	Tc	0	2,341	(e)	C, W
	CS	9-12-51	Thom Sire				T 30		Ir	Bhc	0			
27R2	CS	10-15-63	R. G. Owen			12	N N		Un	Tc	1.0	2,341	170.26	W
	CS	9-21-51	Robert Wilson		330.5	12			Un					
	CS	3-3-64												
28Q1	CS	10-22-63	R. H. Wurm	1932	260	12	J 2		Dm	Tc	0	2,335	125.85	
	CS	5-4-51	Wurm				T 20		Ir				104.58	
	CS	11-18-51											109.26	
	CS	3-4-52											100.77	
28R1	CS	5-4-51	George Rush			14	L 3/4		Un	Tcc	0	2,336	119.37	
28R2	CS	10-21-63	Jack Collins				T 30		Ir	Tap	1.3	2,336	138.52	
	CS	5-4-51	George Rush	1949		12	T 30		Ir	Tc	1.0		121.44	
	CS	11-17-51											126.94	
	CS	3-4-52											102.51	
28R3	CS	10-21-63	Jack Collins	1962	255	R 6	S 1½		Dm	Tap	2.0	2,335	134.11	L
	D	9-15-62											f143	
28Z1	CS	10-22-63	T. P. Breslin	1914	272	10	N N	450	Ds			2,333	f4	L
	D	12-14-14												
	T-41	1920												
30R1	CS	10-22-63			45.0	12	J 1		Dm	Na		2,330	39.01	W
	CS	2-28-51					N N		Un	Tc	.2			
30R2	CS	10-22-63			5.6	6	N N		Ds	Tc	.1	2,331	dry	
	DWR-30A	11-9-55							Un				144.20	
	DWR	3-9-56							Un				144.70	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (feet)			
T. 8 N., R. 11 W.--Continued														
8N/11W-31D1	GS	10-22-63				8	T G		Dm	Tc	3.0	2,326	52.30	
32D1	GS	10-22-63			6.8	N	N W		Ds	Ls	0	2,332	dry	
32E1	GS	10-22-63	E. H. Bohannon	1946		14	T G		S	Hpb	.6	2,340	86.76	W
	GS	5-4-51			200		T G		S					
32E2	GS	5-4-51	E. H. Bohannon				N N		Ds			2,340		
32M1	GS	10-22-63	John Valerie			14	N N		Un	Na		2,344	(a)	
	GS	5-4-51					J 3		Dm					
32M2	GS	10-22-63	John Valerie	1961	250	4	S 3		Dm	Tap	1.4	2,344	95.52	
32N1	GS	10-22-63					L N		Un	Na		2,347	86.6	
	DMR	3-14-50	Harold Putnam		120	10	S E		Dm	Tc	0		(a)	
	GS	5-4-51			250	12	J 2							
32P1	GS	10-22-63	Hambright		120	6	J 3		Dm	Tc	.3	2,347	94.80	
32Q1	GS	5-4-51					N N		Ds			2,348		
33A1	GS	10-23-63				14	J 2		Un	Tc	.6	2,340	141.58	
33B1	GS	10-23-63				12	T E		Un	Bhc	1.0	2,337	125.57	
33C1	GS	10-23-63	R. E. Cockburn	1927	226	R 12	T G		Dm	Tc	.4	2,337	119.15	
	GS	5-4-51					T 30		Ir	Hpb	.5		895.6	
	GS	3-4-52											90.74	
33F1	GS	10-23-63	J. P. Wall		265	12	T 30		Ir	Hpb	.4	2,343	127.19	
	GS	5-4-51	Boyd			12	T 30		Ir				114.85	
33H1	GS	10-23-63	Lloyd Mills	1946	303	R 14	T 50		Un	Bpb	.6	2,342	153.03	W
	GS	5-4-51					T 40		Ir					
33J1	GS	10-23-63	J. W. McCormic			12	N N		Un	Tc	1.0	2,347	(h)	
	GS	5-4-51					T 20		Ir	Na				
33J2	GS	10-23-63	Lloyd Mills	1912	306	12	N N		Un	Tc	.3	2,343	144.81	
	GS	5-4-51					T 20		Ir	Hpb	.5		(a)	
	GS	11-17-51											121.20	
	GS	3-4-52											106.45	
33J3	GS	10-23-63	J. W. McCormic	1952	302	R 12	N N		Un	Tc	1.4	2,347	152.85	
	GS	3-6-52	C. S. Cox		301				Ir				112.51	
	WRB	5-11-56											147	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below (-) (feet)			
T. H., R. 11 W.--Continued														
33Q4	GS	10-23-62	J. H. McCormic	1961	305	R 12	T 20		Ir	Tap	1.3	2,348	149.95	
33Q1	GS	10-29-63	J. W. McCormic				T 40		Ir	Bpb	.6	2,352	149.42	
	WRB	5-4-51		1948	310	14	T 40		Ir				114.68	
		3-14-56											129	
33R1	GS	10-23-63	J. W. McCormic			14	T 25		Ir	Bpb	.8	2,353	159.95	
	FC-11356	12-8-43					T 25		Ir				65.7	
	FC	3-2-45							Ir				63.5	
	GS	5-4-51					T 25		Ir				126.53	
34A1	GS	9-21-51	Onie Stewart	1951			T E		Ir	Bhc	.3	2,344	173.86	
34B1	GS	9-21-51	Badgley & Evans	1931	300		T 25		Ir			2,343	(e)	
34C1	GS	9-21-51	F. M. Sayre			12	T E		Ir			2,342	(a)	
34D1	GS	9-21-51	Hubbard		301	C 10	L 3/4	540	Dm			2,341	f15	L
	D	8-12-24	A. E. Hubbard	1924										
34D2	GS	3-3-64	L. A. Dodds			12	L 1 1/2		Dm	Tc	.5	2,340	149.26	W
	GS	9-21-51	J. B. Young		250.0	12	L 1 1/2		Un					
34D3	GS	9-21-51				12	N N		Ir	Tc	1.0	2,339	145.67	
34E1	GS	9-21-51	E. A. Hubbard	1925	300	C 10	T E	540	Ir	Tc	1.0	2,346	(a)	L
34F1	GS	9-21-51					T 25		Ir	Na		2,347		
34G1	GS	9-21-51	Thom Sire	1948	311	12	T 40		Ir			2,347	(a)	
	WRB	5-----55											a250	
34H1	GS	9-21-51	Badgley & Evans	1943	300	C 14	T 30		Ir	Hpb	1.0	2,347	e179	
34J1	GS	9-21-51	Badgley & Evans	1947	315	C 14	T 50		Ir			2,351	(e)	
34M1	GS	5-4-51	Lloyd Mills		285	10	T 20		Un	Tc	0	2,349	134.13	
34N1	GS	9-21-51	Dr. Goodfellow	1925	301	C 10	T E	585	Ir	Na		2,353	f20	L
	D	3-23-25	E. A. Hubbard											
34P1	GS	9-21-51	R. S. Kirkpatrick	1948	365	R 14	T 50		Ir			2,354	(a)	
34Q1	GS	9-21-51	H. L. Gordon			14	T 60		Ir			2,356	(a)	
34R1	GS	9-21-51							Un			2,358	(e)	L
	D	10-23-25	Will Prichard	1925	300	12		675					f16	

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
T. 8 N., R. 11 W.--Continued													
8N/11W-34R2	GS	9-19-64								Tec 0	2,358	215.30	W
35D1	GS	9-20-51				12	T 30		Ir		2,346	(a)	
35F1	GS	3- 4-52	Frans Nelson & Co.		269.2	12	N N		Un	Tc 0	2,353	132.61	
	GS	11-17-51										137.53	
35G1	GS	9-20-51	Bailey Bros.		770	12	N N		Un	Tec 1.5	2,353	180.67	
	GS	11-17-51										125.52	
	GS	3- 4-52										94.02	
35H1	GS	9-20-51	Bailey Bros.	1945	298	C 16	T 50		Ir		2,356	(e)	
35J1	GS	8-11-52	Bailey Bros.	1951	1,536	R 16	S 150		Ir	Hpb .5	2,361	a273.1	C,L
	D	3- -51										169.81	
	GS	11- 6-52											
35J2	GS	9-20-51	Bailey Bros.	1946	299	C 16	T 60		Un	Tap 2.7	2,361	182.75	
35L1	GS	9-20-51	Frans Nelson & Co.		354	R 14	T 75		Ir		2,357	(a)	
35M1	GS	9-20-51	B. C. Grey	1947	300	14	T 40		Ir		2,356	(a)	L
	D	9- -47	B. C. Grey									130	
35P1	GS	9-20-51	Frans Nelson & Co.		290	16	T 60		Ir		2,362	(e)	
35Q1	GS	9-20-51				14	T 40		Ir		2,362	(e)	
35R1	GS	9-20-51	E. L. Cissell	1944	304	12	T 30		Ir	Hpb .5	2,365	(e)	
T. 8 N., R. 12 W.													
8N/12W-30N1	GS	8-15-63				6	S E		Dm	Tec .5	2,328	58.09	W
	DWR	3- 9-56	Mearse			6	S E						
30P1	GS	8-14-63				6	N N		Un	Tc 0	2,326	93.10	
	GS	4-27-51					N N		Un			37.49	
30Q1	GS	8-14-63			57.1	R 6	N N		Ds	Tc 1.0	2,323	dry	W
	FC-11205	12- 4-43					N N		Un				
31D1	GS	8-14-63	W. J. Fox Airfield			6	N N		Un	Na	2,327		
31E1	GS	8-14-63	W. J. Fox Airfield			8	N N		Un	Tc 1.0	2,327	39.70	
31Q1	GS	8-15-63				4	N N		Un	Na	2,322		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 8 N., R. 12 W.--Continued														
8N/12W-31Q2	CS	8-12-63				R 6	N N		Un	Tec	1.5	2,322	43.69	
32B1	CS	8-16-63				8	L W		Un	Tc	1.0	2,313	37.81	
32C1	CS	8-16-63				6	N N		Ds			2,315		
	CS	4-26-51				6	T G		Ir	Na				
32C2	CS	8-16-63	Mrs. Hopkins	1953	150		T 2		Dm	Tap	1.0	2,315	(a)	
32C3	CS	8-15-63					T 3		Un	Na		2,318		
32D1	CS	8-15-63	Lenard Michel		300	R 6	T 3		Dm	Na		2,319	5.55	
	FC-11215	12-4-43				6	N N		Tc		.5		4.7	
	FC	5-2-44												
32D2	CS	8-15-63	Woolford			8	J 1		Dm	Na		2,317		
32H1	CS	8-16-63				4	L N		Un	Tc	2.0	2,311	35.31	
	CS	10-17-51				4	L G		Dm				18.28	
	CS	11-15-51											17.32	
	CS	3-3-52											12.88	
32K1	CS	8-15-63	McCord			8	J 1		Dm	Na		2,315	45.47	
32L1	CS	8-15-63				14	T N		Un	Hpb	1.0	2,317		
32M1	CS	8-15-63				8	L N		Ds	Tc	.4	2,318	dry	W
	CS	1-23-51			34.9 63.8				Tec	0			16.35	
33Z1	CS	8-16-63					N N		Ds			2,305	(p)	
	T-40	1-12-20					N N	p20						
34A1	CS	8-21-63				6	J 1		Dm	Tap	1.0	2,312	26.88	
34A2	CS	8-21-63	Jake Schaffer	1950	100	R 6	J 1		Dm	Tc	1.0	2,310	25.76	
34B1	CS	8-22-63	Keith Chambers	1962	102	R 6	J 1½		S	Na		2,308		
34B2	CS	8-22-63	William Dobbs	1952	100	R 6	J 2		Dm	Na		2,309		
34C1	CS	8-21-63					J 1		Dm	Na		2,307		
34C2	CS	8-21-63	William Paris	1956	100	R	J 1		Dm	Na		2,307		
34C3	CS	8-21-63	E. T. Paris	1955	100	R 6	J 1		Dm	Na		2,308		

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of top of well (feet)	Water level below top of well (feet)	Other data
T. 8 N., R. 12 W.--Continued													
8N/12W-34C4	GS	8-21-63	J. B. Moore	1951	100	R 6	J 1		Dm	Na	2,308		
34F1	GS	8-21-63					L W		Un	Na	2,311		
	J-174	1909	H. J. Butterworth		269	4	L W	72	S	Tc 1.2		(p) 24.41	
	GS	4-27-51	Scott										
34H1	GS	5-1-51			0	6	N N		Ds	Tc .4	2,316		
	FC-11265	12-5-41										3.6	
	FC	12-26-42										4.8	
	FC	12-8-43			4.1							(h)	
34H2	GS	8-21-63	Henry Guzzitta	1953	110	R 6	J 1		Dm	Na	2,316		
34H3	GS	8-21-63				6	J 1		Un	Bpb 1.0	2,315	29.74	
34H4	GS	8-21-63	August Stavo	1954		6	S E		Dm	Na	2,315		
34H5	GS	8-21-63				6	S N		Un	Tap .5	2,314	29.22	
34J1	GS	8-21-63	Henry Cardenes	1952	100	6	J 1		Dm		2,317	(a)	
34J2	GS	8-21-63	Joe Scavo	1953	110	R 6	J 1		Dm	Na	2,317		
34K1	GS	8-22-63	Brown				J 2		Dm	Na	2,316		
34K2	GS	8-22-63	Leroy F. Hamilton	1953	100	R 6	S 1/2		Dm	Tcc 0	2,316	31.06	
34L1	GS	8-21-63	W. G. Morris		85	8	J 3		Dm	Na	2,313		
34L2	GS	8-21-63	W. G. Morris		21	6	N N		Ds	Tc 1.0	2,313	dry	
34P1	GS	8-20-63			109.0	4	N N		Un	Tc .5	2,318	32.72	C, W
	FC-11266	12-5-41				4	L W						
	GS	4-27-51	Harold Losey		150	5	L 1/2		Dm				
34P2	GS	8-20-63					J 1/2		Dm	Na	2,318		C
	DWR	8-23-60	Frank Scavo	1958	151	6	J 1/2		Dm				
34P3	GS	8-20-63			32.5	6	N N		Ds	Tc 1.0	2,315	dry	
	J-230	1909	L. Tunneson	1906	380		N N					(p)	
34Q1	GS	8-20-63	Everett Owen				J 1/2		Dm	Na	2,318		
	GS	5-18-51	R. G. Wassell	1950	100	6	J 1/2		Dm	Na			
34Q2	GS	8-20-63					J 1		Dm	Na	2,320		

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 8 N., R. 12 W.--Continued														
8N/12W-34Q3	CS	8-20-63					8	J 1½	Dm	Tc	0	2,320	32.44	
34R1	CS	8-20-63	J. Houghten					J 1	Dm	Na		2,322		
	CS	4-27-51	George Elmore		85		5	J ½	Dm	Na				
	DWR	3- 9-56	J. V. Houghten							Bpb	0		28.7	
34R2	CS	8-20-63	Village Mobile Home Park					T 5	Ps			2,321	(a)	
34R3	CS	8-20-63	H. L. Hays			12	J E		Dm	Tcc	0	2,322	36.21	
34R4	CS	8-20-63	Ralph Hedrick		11.5	D 72	N N		Ds	Tc	.5	2,321	dry (p)	
	0	1939			69									
34R5	CS	8-20-63	Mrs. Ralph Hedrick		125	8	J E		Dm	Tcc	0	2,321	b35.27	
34R6	CS	8-20-63	W. E. Fry	1955		R 8	J 1½		Dm	Na		2,320		
34Z1	CS	8-19-63						N N	Ds			2,305	(p)	
	J-260	1909	Cyrus Wheeler	1895	275	4	N N							
35B1	CS	8-23-63			160	8	T 5		In	Na		2,313	21.4	
	DWR	3- 4-56	Lancaster Refuse Co.							Bpb	0			
35M1	CS	8-23-63	Andy Chakld		100	R 6	J E		Dm	Tc	1.0	2,320	(a)	L
	D	12-16-62	C. B. Payne	1962										
35N1	CS	8-22-63			10.8	12	N N		Ds	Tc	-.3	2,327	dry	
	CS	5-18-51	L. G. Fish		450	R 12	N N		Un				46.72	
	CS	3- 4-52											37.18	
35N2	CS	8-22-63			120	R 8	N N		Un	Na		2,326	25.56	
	CS	5-18-51	L. G. Fish				J 1		Dm	Tc	-9.0		26.29	
	CS	11-15-51												
35N3	CS	8-22-63			22.5	6	N N		Ds	Tc	-2.0	2,326	dry	
36M1	CS	8-22-63				R 6	J N		Un	Tc	0	2,325	41.60	
T. 8 N., R. 13 W.														
8N/13W-25Q1	CS	5-24-63	Johnson			6	J 1		Un	Tc	.9	2,333	58.93	
25Q2	CS	5-24-63	Exzona Mearse		150	6	J 1		Dm	Na		2,330		
25R1	CS	5-27-63				6	J 1		Dm			2,331	(a)	



State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point		Altitude of lsd (feet)	Water level below lsd (feet)	Other data
										Description	Distance above or below lsd (feet)			
T. 8 N., R. 13 W.--Continued														
8N/13W-27P1	GS	5-23-63	Dean Fulmer	1952	147	8	N N		Un	Tc	1.5	2,367		W
27P2	GS	5-23-63	Dean Fulmer	1963	220	R 6	S 1½		Dm			2,367	(a)	
27R1	GS	5-23-63				8	N N		Un	Tc	1.2	2,356	75.31	
27R2	GS	5-23-63				8	J N		Un	Tc	.7	2,356	74.97	
34B1	GS	8- 8-63				8	N N		Un	Na		2,363		
34C1	GS	8- 8-63	Herman L. Davis	1957	150	R 6	S E		Dm	Tc	1.0	2,367	(e)	
34K1	GS	8- 9-63					L G		Dm	Na		2,360		
34L1	GS	8- 8-63			109.0	R	S E		Dm	Tcc	1.0	2,364	e82	
34P1	GS	8- 8-63	Louis Valenge	1951	174	R 8	J 1		Dm	Na		2,367		
34P2	GS	8- 9-63	H. M. McDonald		160		J 1½		Dm	Na		2,369		
34P3	GS	8- 9-63	Fanchonkeele	1951	200	R 6	S E		Dm	Tc	0	2,365	72.83	
34P4	GS	8- 9-63	Fanchonkeele	1960	200	R 6	L W		Dm	Tc	1.0	2,364	e70.35	
34Q1	GS	8- 9-63	Sammons			12	T 10		Un	Tc	0	2,365	77.86	
35E1	GS	8-13-63	W. J. Fox Airfield			6	N N		Un	Na		2,355		
35F1	GS	8-13-63	W. J. Fox Airfield			8	N N		Un	Na		2,351		
35M1	GS	8-13-63	W. J. Fox Airfield			6	N N		Un	Tc	1.0	2,354	136.05	
FC-11165	FC	11-13-52				6	N N		Un				78.90	
		1-12-59											99.9	
35N1	GS	8-13-63	W. J. Fox Airfield		89.1	6	N N		Un	Tc	1.0	2,354	66.54	
35N2	GS	8-13-63	W. J. Fox Airfield		67.6		N N		Ds	Tc	1.0	2,356	dry	
35N3	GS	8-13-63	W. J. Fox Airfield		96.5	8	N N		Un	Tc	1.0	2,351	66.97	
35P1	GS	8-13-63	W. J. Fox Airfield		59.8	6	N N		Ds	Tc	.7	2,350	dry	W
35P2	GS	8-13-63	W. J. Fox Airfield		76.3	6	N N		Un	Tc	1.0	2,348	63.18	
36A1	GS	8-14-63	W. J. Fox Airfield		56.6	6	N N		Ds	Tc	1.0	2,328	dry	

See footnotes at end of table.

State well number	Other numbers and source of data	Date of observation	Owner or user	Year completed	Depth of well (feet)	Type and diameter (inches)	Type of pump and power	Yield (gpm)	Use	Measuring point Description Distance below (feet)	Altitude of lsd (feet)	Water level below lsd (feet)	Other data
8N/13W-36L1	GS D	8-14-63 10-1-58	W. J. Fox Airfield	1958	1,100	R 14	T 150	730	Ps	Tap 2.0	2,340	el31.4	E, L, P, W

T. 8 N., R. 13 W.--Continued

- a. Well being pumped.  
b. Well pumped recently.  
c. Nearby well being pumped.  
d. Some moisture at bottom of well.  
e. Tape smeared.  
f. Driller encountered first water at this depth.  
g. Obstruction at approximately 425 feet, no water to here.  
h. Obstruction or bottom above static water level.  
i. Obstruction or bottom at 440 feet, no water to this depth.  
j. Depth of well and water level greater than 615 feet.  
k. Measured with an electric sounder.  
m. Drilled to this depth, hole then filled.  
n. Measurement considered questionable by observer.  
p. Artesian flow.  
r. Original well drilled to 370 feet in 1953, deepened to 515 feet in 1964.  
s. See driller's log.  
t. Owner reports well is dry part of the year.  
u. Tape smears start at 270 feet, solid smear starts at 375 feet.  
v. Original well deepened.  
w. Well at end of horizontal adit on side of hill.  
x. Measured with an air-line gage.

APPENDIX B

TABLE 2. RECORDS OF WATER LEVELS IN WELLS



Table 2.--Records of water levels in wells

Table 2 includes records of water-level measurements made in wells where five or more measurements have been made; if fewer than five measurements were made, the records are given in table 1.

Depths of wells, given in whole feet, were reported by owners, drillers, or others; depths given in feet and tenths of a foot were measured below land-surface datum by the Geological Survey or others.

Records of water-level measurements furnished by agencies other than the Geological Survey are indicated by the following symbols:

D driller; DWR California Department of Water Resources; FC Los Angeles County Flood Control District; LAC Los Angeles County Engineers; O owner; P pump service contractor; PID Palmdale Irrigation District; SCE Southern California Edison Co.; T Thompson (1929); WRB California Water Rights Board.

Altitudes are for the land-surface datum at the well and are in feet above mean sea level; the altitudes that are given in feet and tenths of a foot have been established by agencies other than the Geological Survey. Altitudes, given in whole feet, were interpolated from Geological Survey topographic maps having 5-, 25-, and 40-foot contour intervals.

Water-level measurements are given in feet, tenths of a foot, and hundredths of a foot, or feet and tenths of a foot; reported or approximate depths to water are given in whole feet. The distance between land-surface datum and the measuring point has been subtracted from or added to the measured water level. Thus, all water levels are referenced to land-surface datum.

Date	Water level	Date	Water level	Date	Water level
4N/9W-6A1. Depth of well 60.5 ft in 1955. Records furnished by <u>DWR</u> and <u>FC</u> . Altitude about 3,468 ft.					
Nov. 8, 1951	23.18	Feb. 19, 1957	a23.9	July 21, 1959	a40.8
Mar. 7, 1955	1.45	Mar. 26	1.9	Aug. 24	a40.7
Mar. 21	2.80	Apr. 22	1.3	Sept. 22	a39.6
Apr. 11	8.67	May 27	8.45	Oct. 26	a39.4
May 17	4.10	June 18	a40.0	Nov. 24	a39.5
June 15	25.80	July 16	a43.7	Dec. 14	a39.4
July 26	a42.9	Aug. 28	a43.0	Jan. 25, 1960	2.6
Aug. 24	a43.7	Sept. 24	a41.4	Feb. 23	3.6
Sept. 21	a43.3	Jan. 28, 1958	5.4	Mar. 24	5.3
Nov. 1	a43.3	Mar. 4	0	Apr. 19	4.0
Nov. 30	15.1	Apr. 22	0	May 24	10.1
Dec. 20	.8	May 20	.9	June 29	a23.7
Jan. 17, 1956	1.40	June 24	6.8	July 26	19.8
Feb. 20	1.0	July 29	1.2	Aug. 23	a40.0
Mar. 19	a21.1	Aug. 26	1.0	Sept. 27	a43.2
Apr. 24	4.10	Sept. 24	1.5	Oct. 25	a43.6
May 23	7.45	Oct. 22	a14.9	Jan. 23, 1961	17.3
June 12	9.80	Nov. 17	1.7	Feb. 21	11.4
July 23	a43.6	Dec. 16	1.0	Mar. 21	10.3
Aug. 21	a40.5	Jan. 27, 1959	1.7	Apr. 25	a27.0
Sept. 18	a42.9	Feb. 24	1.8	May 23	40.0
Oct. 11	a40.15	Mar. 24	1.8	June 21	b44.4
Nov. 20	27.0	Apr. 28	2.0	July 26	b43.9
Dec. 19	13.6	May 26	a25.8	Aug. 22	b31.8
Jan. 22, 1957	.5	June 16	a39.3	Apr. 21, 1964	c1.40

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
4N/9W-6A2. Depth of well 57 ft. Records furnished by <u>DWR</u> and <u>FC</u> . Altitude about 3,464 ft.					
Nov. 8, 1951	25.0	Apr. 22, 1957	4.1	Aug. 24, 1959	44.0
Mar. 7, 1955	3.20	May 27	11.3	Sept. 22	37.4
Mar. 21	4.48	June 18	a43.6	Oct. 26	37.2
Apr. 11	10.60	July 16	a48.1	Nov. 24	36.8
May 17	5.70	Aug. 28	a44.8	Dec. 14	36.8
June 15	27.30	Sept. 24	a41.4	Jan. 25, 1960	5.4
July 26	a37.3	Oct. 28	a48.1	Feb. 23	6.3
Aug. 24	a48.7	Dec. 2	a25.9	Mar. 22	8.1
Sept. 21	a43.86	Jan. 6, 1958	a9.8	Apr. 19	6.8
Nov. 1	a43.0	Jan. 28	a3.4	May 24	13.1
Nov. 30	14.6	Mar. 4	3.7	June 29	17.5
Dec. 20	3.6	Apr. 22	1.7	July 26	23.5
Jan. 7, 1956	4.1	May 20	3.7	Aug. 23	38.9
Feb. 20	5.65	June 24	a11.6	Sept. 27	40.7
Mar. 19	11.8	July 29	4.1	Oct. 25	41.7
Apr. 24	6.8	Aug. 26	3.9	Nov. 23	41.0
May 20	10.1	Sept. 24	a11.8	Dec. 20	18.2
June 12	13.0	Oct. 22	13.8	Jan. 23, 1961	20.2
July 23	a47.4	Nov. 17	4.9	Feb. 21	14.3
Aug. 21	a46.8	Dec. 16	3.9	Mar. 21	13.1
Sept. 18	a47.0	Jan. 27, 1959	4.4	Apr. 25	23.7
Oct. 16	a44.1	Feb. 24	4.8	May 23	38.0
Nov. 20	35.3	Mar. 24	4.6	June 21	41.7
Dec. 19	12.9	Apr. 28	4.7	July 26	49.0
Jan. 22	3.4	May 26	c20.7	Aug. 22	36.0
Feb. 19	9.0	June 16	c34.3	Apr. 21, 1964	c5.28
Mar. 26	3.8	July 21	38.0		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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4N/9W-6A3. Depth 0 ft April 21, 1964, formerly 74 ft. Records furnished by DWR and FC. Altitude about 3,465 ft.

Nov. 8, 1951	26.02	Mar. 26, 1957	4.2	Sept. 22, 1959	37.4
Mar. 7, 1955	4.55	Apr. 22	4.8	Oct. 26	36.9
Mar. 21	5.33	May 27	11.8	Nov. 24	37.0
Apr. 11	11.58	June 18	38.1	Dec. 14	36.7
May 17	6.65	July 16	43.3	Jan. 25, 1960	5.9
June 15	27.90	Aug. 28	42.0	Feb. 23	6.8
July 26	37.6	Sept. 24	41.5	Mar. 22	8.4
Aug. 24	44.2	Oct. 28	36.15	Apr. 19	7.1
Sept. 21	41.19	Dec. 2	20.6	May 24	13.7
Nov. 1	40.7	Jan. 6, 1958	4.0	June 29	17.8
Nov. 30	10.4	Jan. 28	3.4	July 26	24.8
Dec. 20	4.30	June 24	4.4	Aug. 23	38.9
Jan. 17, 1956	4.05	July 29	4.5	Sept. 27	40.6
Feb. 20	4.15	Aug. 26	4.6	Oct. 25	41.3
Mar. 19	11.60	Sept. 24	4.8	Nov. 23	40.5
Apr. 24	6.7	Oct. 22	13.8	Dec. 20	14.9
May 23	9.6	Nov. 17	5.3	Jan. 23, 1961	20.4
June 12	13.1	Dec. 16	4.4	Feb. 21	14.8
July 23	42.9	Jan. 27, 1959	4.6	Mar. 21	13.5
Aug. 21	41.3	Feb. 24	4.7	Apr. 25	22.5
Sept. 18	41.2	Mar. 24	4.9	May 23	37.6
Oct. 16	42.0	Apr. 28	5.1	June 21	41.8
Nov. 20	29.6	May 26	18.6	July 26	42.8
Dec. 19	13.3	June 16	34.2	Aug. 22	38.1
Jan. 22, 1957	3.95	July 21	38.1	Apr. 21, 1964	(r)
Feb. 19	8.7	Aug. 24	38.2		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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4N/9W-6B1. Depth of well 46 ft. Records furnished by DWR and FC.  
Altitude about 3,473 ft.

Nov. 8, 1951	a21.0	Mar. 26, 1957	6.0	Nov. 24, 1959	a25.5
Nov. 8	b11.66	Apr. 22	5.8	Dec. 14	a25.0
Mar. 7, 1955	a6.7	June 18	a29.4	Jan. 25, 1960	6.9
Mar. 21	a14.8	July 17	a35.7	Feb. 23	8.7
Apr. 11	a22.20	Jan. 28, 1958	3.8	Mar. 22	9.9
May 17	a13.60	Mar. 4	a12.7	Apr. 19	9.0
July 26	a25.2	Apr. 22	a8.2	May 24	11.8
Aug. 24	a24.3	May 20	a12.4	June 29	13.5
Sept. 21	25.6	June 24	4.6	July 26	16.5
Nov. 1	a23.0	July 29	a12.2	Aug. 23	17.1
Nov. 30	a21.0	Aug. 26	a12.4	Sept. 27	a25.5
Dec. 20	5.50	Sept. 24	a12.2	Oct. 25	a26.9
Jan. 17, 1956	6.25	Oct. 22	a20.0	Dec. 20	13.6
Feb. 20	a13.2	Nov. 17	a12.8	Jan. 23, 1961	16.5
Mar. 19	a13	Dec. 16	4.8	Feb. 21	14.1
Apr. 24	a17.8	Jan. 27, 1959	5.7	Mar. 21	12.9
May 23	a24.75	Feb. 24	5.4	Apr. 25	a21.9
June 12	a25.30	Mar. 24	a12.6	May 23	19.2
July 23	a26	Apr. 28	5.9	June 21	21.9
Aug. 21	14	May 26	a25.5	July 26	22.9
Sept. 18	a26.9	June 16	a26.7	Oct. 24	23.1
Oct. 16	14.15	July 21	a26.7	Nov. 16	23.9
Nov. 20	15.3	Aug. 24	a25.6	Feb. 27, 1962	5.1
Dec. 19	a24.9	Sept. 22	a25.1	Mar. 20	5.0
Jan. 22, 1957	4.35	Oct. 26	a25.0	Apr. 21, 1964	5.96
Feb. 19	6.5				

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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4N/GW-6G1. Depth of well 95 ft July 20, 1951; 88.0 ft March 21, 1955.  
Records furnished by DWR and FC. Altitude about 3,493 ft.

Nov. 8, 1951	10.99	June 18, 1957	7.8	Dec. 14, 1959	10.7
Mar. 7, 1955	3.16	July 16	8.9	Jan. 25, 1960	6.5
Mar. 21	3.28	Aug. 28	8.7	Feb. 23	5.9
Apr. 11	3.80	Sept. 24	10.0	Mar. 22	8.4
May 17	3.55	Oct. 28	11.27	Apr. 19	7.9
June 15	7.05	Dec. 2	10.9	May 24	9.0
July 26	9.0	Jan. 6, 1958	3.1	June 29	10.4
Aug. 24	10.05	Jan. 28	2.7	July 26	10.8
Sept. 21	9.20	Mar. 4	2.5	Aug. 23	12.2
Nov. 1	9.27	Apr. 22	1.3	Sept. 27	12.5
Nov. 30	8.05	May 20	2.1	Oct. 25	13.2
Dec. 20	6.30	June 24	2.3	Nov. 23	11.1
Jan. 17, 1956	5.05	July 29	2.5	Dec. 20	15.2
Feb. 20	3.40	Aug. 26	2.7	Jan. 23, 1961	16.0
Mar. 19	2.60	Sept. 24	3.3	Feb. 21	14.5
Apr. 24	4.50	Oct. 22	7.0	Mar. 21	11.6
May 23	6.60	Dec. 16	4.0	Apr. 25	13.4
June 12	7.60	Jan. 27, 1959	3.5	May 23	15.3
July 23	9.1	Feb. 24	3.6	June 21	16.7
Aug. 21	9.5	Mar. 24	3.1	July 26	18.2
Sept. 18	9.6	Apr. 28	3.3	Aug. 22	20.9
Oct. 16	10.05	May 26	3.8	Sept. 26	21.6
Nov. 20	8.40	June 16	6.3	Oct. 24	21.4
Dec. 19	8.50	July 21	8.0	Nov. 16	19.3
Jan. 22, 1957	3.7	Aug. 24	8.6	Jan. 29, 1962	16.6
Feb. 19	3.6	Sept. 22	11.0	Feb. 27	4.6
Mar. 26	2.8	Oct. 26	10.9	Mar. 20	4.4
Apr. 22	2.5	Nov. 24	11.0	Apr. 21, 1964	5.05
May 27	7.3				

Date	Water level	Date	Water level	Date	Water level
4N/9W-6Q1. Depth of well 20 ft. Records furnished by <u>FC</u> . Altitude about 3,593 ft.					
July 23, 1953	8.30	May 27, 1957	7.15	Oct. 26, 1959	8.4
Mar. 7, 1955	6.40	June 18	7.20	Nov. 24	8.0
Mar. 21	6.52	July 16	7.40	Dec. 24	8.1
Apr. 11	6.74	Aug. 28	7.50	Jan. 25, 1960	7.8
May 9	6.32	Sept. 24	8.40	Feb. 23	7.6
May 17	6.55	Oct. 30	8.7	Mar. 22	7.8
June 15	6.90	Dec. 2	8.6	Apr. 19	6.5
July 26	7.22	Jan. 6, 1958	7.9	May 24	7.5
Aug. 24	7.50	Jan. 28	7.7	June 29	10.2
Sept. 21	7.57	Mar. 5	7.0	July 26	8.4
Nov. 1	7.64	Apr. 22	6.7	Aug. 23	10.8
Nov. 30	7.40	May 20	7.1	Sept. 27	11.0
Dec. 20	7.15	June 24	7.26	Oct. 26	13.0
Jan. 17, 1956	6.60	July 29	7.1	Nov. 23	12.5
Feb. 20	6.50	July 29	al3.5	Dec. 20	12.1
Mar. 19	6.58	Aug. 26	7.2	Jan. 23, 1961	13.0
Apr. 24	6.00	Sept. 24	7.4	Feb. 21	9.7
May 23	6.70	Oct. 22	7.0	Mar. 21	9.7
June 12	6.75	Nov. 17	6.9	Apr. 25	10.8
July 23	7.05	Dec. 16	6.9	May 23	11.3
Aug. 21	7.35	Jan. 27, 1959	6.6	June 21	11.9
Sept. 18	7.75	Feb. 24	6.7	July 26	13.2
Oct. 16	7.95	Mar. 24	6.9	Aug. 22	14.2
Nov. 20	8.00	Apr. 28	7.0	Sept. 26	15.5
Dec. 19	8.05	May 26	7.2	Jan. 29, 1962	15.5
Jan. 22, 1957	7.55	June 16	8.0	Feb. 27	5.5
Feb. 19	7.70	July 21	7.8	Mar. 20	5.5
Mar. 26	6.95	Aug. 24	8.1	Apr. 22, 1964	7.68
Apr. 22	7.00	Sept. 22	8.4		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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4N/GW-9E1. Depth of well 140 ft. Records furnished by D, DWR, and FC.  
Altitude about 3,795 ft.

Aug. 1946	60	Apr. 22, 1957	77.1	Sept. 22, 1959	81.1
Mar. 22, 1950	83.46	May 27	78.9	Oct. 26	80.8
Oct. 4	85.15	June 18	80.4	Nov. 24	82.5
Oct. 30, 1951	88.1	July 16	81.0	Dec. 14	82.0
June 11, 1952	82.2	Aug. 28	82.7	Jan. 25, 1960	80.1
Mar. 9, 1955	86.1	Sept. 24	81.7	Feb. 23	80.2
Mar. 21	87.52	Oct. 28	84.33	Mar. 22	80.7
Apr. 11	86.47	Dec. 2	84.8	Apr. 19	81.4
May 9	85.85	Jan. 6, 1958	83.4	May 24	81.8
June 15	85.50	Jan. 28	81.0	June 29	82.1
July 26	88.0	Mar. 5	71.2	July 26	81.9
Aug. 24	84.25	Mar. 31	65.8	Aug. 23	80.8
Sept. 21	84.38	Apr. 22	66.4	Sept. 27	80.7
Nov. 1	85.10	May 20	68.7	Oct. 25	81.1
Nov. 30	84.85	June 24	66.6	Nov. 23	81.8
Dec. 20	86.45	July 29	66.6	Dec. 20	85.0
Jan. 17, 1956	88.35	Aug. 13	66.9	Jan. 23, 1961	86.2
Feb. 20	85.45	Aug. 26	67.8	Feb. 21	85.3
Mar. 19	84.35	Sept. 17	69.5	Mar. 1	82.9
Apr. 24	85.70	Oct. 1	70.7	Mar. 21	83.1
May 23	85.05	Oct. 22	72.6	Apr. 25	83.6
June 12	84.65	Nov. 17	74.6	May 23	85.1
July 23	85.05	Dec. 16	76.0	June 21	84.3
Aug. 21	85.8	Jan. 27, 1959	77.5	July 26	84.8
Sept. 18	85.9	Feb. 24	78.0	Aug. 22	85.1
Oct. 12	87.4	Mar. 24	76.1	Sept. 26	85.1
Nov. 20	85.8	Apr. 22	75.2	Oct. 24	85.1
Dec. 19	85.8	Apr. 28	76.3	Nov. 16	85.1
Jan. 22, 1957	81.6	May 26	77.1	Jan. 29, 1962	85.0
Feb. 19	86.8	July 21	80.0	Feb. 27	82.0
Mar. 5	82.9	Aug. 19	80.6	Mar. 20	83.2
Mar. 26	78.5	Aug. 24	80.8	Apr. 23, 1964	80.23
Apr. 9	77.1	Sept. 16	81.0		

Date	Water level	Date	Water level	Date	Water level
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4N/9W-9M1. Depth of well 150 ft. Records furnished by D, DWR, and FC.  
Altitude about 3,800 ft.

Jan. 1958	w72	Apr. 22, 1959	75.2	Sept. 27, 1960	a95.2
Jan. 22	60.75	May 26	80.6	Oct. 25	a97.5
Jan. 28	72.0	June 16	81.8	Nov. 23	87.9
Feb. 26	55.4	July 21	95.2	Dec. 20	84.7
Mar. 31	60.1	Aug. 5	86.6	Jan. 23, 1961	82.6
Apr. 22	60.2	Aug. 24	87.1	Feb. 21	83.8
May 20	72.2	Sept. 16	86.8	Mar. 1	a98.4
June 24	66.2	Sept. 30	87.4	Mar. 21	a92.2
July 16	68.0	Oct. 26	86.4	Apr. 25	a99
July 29	70.0	Nov. 24	85.9	May 23	a101.5
Aug. 13	71.9	Dec. 14	85.0	June 21	a102.0
Aug. 26	74.0	Jan. 25, 1960	81.5	July 18	89.8
Sept. 17	79.0	Feb. 23	81.3	July 26	a91.0
Oct. 1	81.0	Mar. 22	82.4	Aug. 22	a102
Oct. 22	81.2	Apr. 11	85.6	Nov. 16	88.3
Nov. 17	83.6	Apr. 19	a102	Jan. 29, 1962	81.7
Dec. 16	81.5	May 24	83.4	Feb. 27	68.6
Jan. 27, 1959	81.5	June 29	88.9	Mar. 20	68.6
Feb. 24	80.8	July 26	a100.5	Apr. 23, 1964	82.72
Mar. 24	a86.2	Aug. 23	89.8		

4N/9W-9N1. Depth of well 140 ft in 1946; deepened to 201 ft in 1956.  
Records furnished by D, DWR, and FC. Altitude about 3,845 ft.

Aug. 17, 1946	60	Jan. 17, 1956	70.10	Feb. 18, 1957	62.4
1950	p64.6	Feb. 20	63.20	Mar. 5	61.9
1951	p78.3	Mar. 19	65.10	Mar. 26	62.9
Mar. 21, 1955	p76.2	Apr. 24	65.65	Apr. 9	64.3
Apr. 11	p75.7	May 23	64.70	Apr. 22	65.3
May 9	65.9	June 12	62.30	May 27	64.85
June 15	64.4	July 23	65.8	June 18	65.5
July 26	64.5	Aug. 21	a88.6	July 16	a84.4
Aug. 24	66.85	Sept. 18	a89.1	Aug. 13	a88.0
Sept. 21	a70.9	Oct. 16	a88.0	Aug. 21	a89.0
Nov. 1	a71.5	Nov. 20	a87.1	Aug. 28	a88.2
Nov. 30	69.8	Dec. 19	a68.2	Sept. 24	a88.0
Dec. 20	72.55	Jan. 22, 1957	65.5	Oct. 28	67.63

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
4N/9W-9N1.--continued.					
Dec. 2, 1957	65.7	Apr. 22, 1959	62.1	Sept. 27, 1960	all3
Jan. 6, 1958	59.5	Apr. 28	63.6	Oct. 25	all1
Jan. 28	60.1	May 26	64.4	Nov. 23	al09
Feb. 26	57.9	June 16	67.6	Dec. 20	65.9
Mar. 31	59.5	July 21	a91.3	Jan. 23, 1961	67.2
Apr. 22	69	Aug. 5	71.0	Feb. 21	68.2
May 20	72.1	Aug. 19	72.2	Mar. 1	69.9
June 24	64.6	Aug. 24	79.5	Mar. 21	65.8
July 16	63.2	Sept. 30	72.3	Apr. 25	69.6
July 29	64.1	Oct. 26	72.3	May 23	a81.5
Aug. 13	64.3	Nov. 24	70.2	June 21	a87.0
Aug. 26	64.0	Dec. 14	70.0	July 26	73.4
Sept. 17	65.0	Jan. 25, 1960	65.7	Aug. 22	a u88
Oct. 1	64.0	Feb. 23	65.6	Sept. 26	86.0
Oct. 22	64.5	Mar. 22	66.5	Oct. 24	121.3
Nov. 17	64.9	Apr. 19	68.5	Nov. 16	79.8
Dec. 16	63.3	May 24	68.8	Jan. 29, 1962	63.4
Jan. 27, 1959	64.0	June 29	a77.6	Feb. 27	62.8
Feb. 24	64.3	July 26	all2	Mar. 20	60.4
Mar. 24	62.5	Aug. 23	all2		

4N/9W-9N2. Depth of well 209 ft. Records furnished by D, DWR, FC, and O. Altitude about 3,845 ft.

1951	72	Feb. 20, 1955	69.75	Mar. 26, 1957	68.6
Mar. 22	71.1	Jan. 17, 1956	69.60	Apr. 9	69.9
Mar. 22	a83.3	Feb. 20	68.55	Apr. 22	70.8
Apr. 5	a83.7	Mar. 19	76.30	May 27	72.8
Apr. 23	a83.7	Apr. 24	70.35	June 18	68.8
May 2	74.7	May 23	a76.7	July 16	a83.45
June 18	76.0	June 12	66.8	July 24	a77.9
July	a85.0	July 23	a74.5	Aug. 13	a81.6
Apr. 11, 1955	71.1	Aug. 21	a82.0	Aug. 21	a80.8
May 9	70.7	Sept. 18	a74.05	Aug. 28	a82.4
June 15	69.1	Oct. 16	a82.0	Sept. 24	a83.2
July 26	68.85	Nov. 20	a76.7	Oct. 28	72.13
Aug. 24	66.55	Dec. 19	a73.6	Dec. 2	70.8
Sept. 21	c70.16	Jan. 22, 1957	71.35	Jan. 6, 1958	66.1
Nov. 1	c69.57	Feb. 19	67.4	Jan. 28	66.1
Nov. 30	71.0	Mar. 5	67.9	Feb. 26	64.7

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
4N/9W-9N2.--continued.					
Mar. 31, 1958	63.5	May 26, 1959	69.7	Sept. 27, 1960	86.5
May 20	67.8	June 16	72.5	Oct. 25	86.2
June 24	70.5	July 21	a86.4	Nov. 23	82.3
July 16	68.5	Aug. 5	a u170.3	Dec. 20	71.2
July 29	69.5	Aug. 19	a u126	Jan. 23, 1961	71.8
Aug. 13	70.0	Nov. 24	75.4	Feb. 21	73.2
Aug. 26	69.1	Dec. 14	74.8	Mar. 1	75.9
Sept. 17	70.3	Jan. 25, 1960	71.3	Mar. 21	71.9
Oct. 1	70.0	Feb. 23	71.0	Apr. 25	75.1
Oct. 22	69.1	Mar. 22	72.5	May 23	80.4
Nov. 17	69.9	Apr. 13	a77	Oct. 18	65.8
Dec. 16	68.6	Apr. 19	73.2	Nov. 16	78.8
Jan. 27, 1959	69.1	May 24	a85.4	Jan. 29, 1962	69.6
Feb. 24	69.7	June 29	86.3	Feb. 27	65.1
Mar. 24	68.2	July 26	86.1	Mar. 20	66.5
Apr. 22	67.7	Aug. 23	85.9	Apr. 23, 1964	70.70
Apr. 28	69.5				

4N/9W-9N3. Depth of well 157 ft in 1957. Records furnished by DWR, FC, and O. Altitude about 3,834 ft.

Dec. 2, 1957	53.4	Nov. 17, 1958	53.4	Feb. 23, 1960	54.8
Jan. 6, 1958	48.8	Dec. 16	52.1	Mar. 22	55.4
Jan. 22	48.6	Jan. 27, 1959	52.7	Apr. 19	57.3
Jan. 28	49.0	Feb. 24	50.1	May 24	62.8
Feb. 26	47.3	Mar. 24	51.4	June 29	a80.6
Mar. 31	48.4	Apr. 22	50.9	July 26	81.4
Apr. 22	47.6	Apr. 28	52.7	Aug. 23	79.7
May 20	a36.8	May 26	53.1	Sept. 27	74.5
June 24	53.4	June 16	a61.1	Oct. 25	84.5
July 16	51.9	July 21	a75.3	Nov. 23	66.9
July 29	52.9	Aug. 5	a114	Dec. 20	54.9
Aug. 13	53.4	Aug. 21	a74	Jan. 23, 1961	56.2
Aug. 26	52.5	Aug. 24	a109	Feb. 21	57.1
Sept. 17	53.9	Sept. 30	a107	Mar. 1	60.0
Oct. 1	53.6	Dec. 14	58.8	Mar. 21	55.1
Oct. 22	52.8	Jan. 25, 1960	54.9	Apr. 25	59.8

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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4N/9W-9N3.--continued.

May 23, 1961	66.4	Aug. 22, 1961	86.1	Jan. 29, 1962	53.1
June 21	77	Sept. 26	86.1	Feb. 27	47.9
June 21	a134	Oct. 24	86.0	Mar. 20	50.0
June 21	86	Nov. 16	74.8	Apr. 23, 1964	54.20
July 26	84.8				

4N/9W-9N4. Depth of well 160 ft. Records furnished by DWR and FC.  
Altitude about 3,831 ft.

Oct. 22, 1959	63.2	Feb. 21, 1961	a u62	Aug. 22, 1961	115
Sept. 27, 1960	a99.6	Mar. 21	53.5	Sept. 26	106.0
Oct. 25	a93.3	Apr. 25	58.7	Jan. 29, 1962	51.0
Nov. 23	65.2	May 23	a70.5	Feb. 27	45.6
Dec. 20	53.2	June 21	87	Mar. 20	47.8
Jan. 23, 1961	54.4	July 26	100	Apr. 23, 1964	52.22
Feb. 21	55.4				

4N/9W-9P1. Depth of well 200 ft in July 1957; 180.0 ft September 24, 1959. Records furnished by DWR and FC. Altitude about 3,845 ft.

July 16, 1957	75.0	Sept. 17, 1958	70.6	Aug. 24, 1959	85.6
Aug. 13	76.6	Oct. 1	70.3	Sept. 16.	81.8
Aug. 21	76.4	Oct. 22	69.5	Sept. 30	a126
Dec. 2	71.2	Nov. 17	70.1	Oct. 26	82.0
Jan. 6, 1958	66.6	Dec. 16	69.0	Nov. 24	75.8
Jan. 28	66.7	Jan. 27, 1959	69.5	Dec. 14	75.2
Feb. 26	65.2	Feb. 24	70.2	Jan. 25, 1960	71.6
Mar. 31	66.2	Mar. 24	68.6	Feb. 23	71.2
Apr. 22	70.7	Apr. 22	68.7	Mar. 21	a77.0
May 20	73.1	Apr. 28	69.9	Apr. 13	76.0
June 24	71.0	May 26	70.0	Apr. 19	73.9
July 16	68.9	June 16	72.9	May 24	76.2
July 29	69.9	July 21	a92.3	June 29	85.9
Aug. 13	70.4	Aug. 5	81.5	July 26	85.5
Aug. 26	69.4	Aug. 19	a120	Aug. 23	85.1

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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4N/9W-9Pl.--continued

Sept. 29, 1960	85.5	Mar. 21, 1961	72.3	Oct. 18, 1961	86.1
Oct. 26	86.0	Apr. 25	75.5	Nov. 16	79.5
Nov. 23	81.9	May 23	80.7	Jan. 29, 1962	70.0
Dec. 20	68.6	June 21	86.5	Feb. 27	65.6
Jan. 23, 1961	71.8	July 26	106.4	Mar. 20	66.7
Feb. 21	73.6	Aug. 22	102.9	Apr. 23, 1964	71.09
Mar. 1	76.3	Sept. 26	100.7		

4N/9W-10M1. Depth of well 400 ft. Records furnished by FC and WRB.  
Altitude about 4,120 ft.

Aug. 1, 1948	61.1	Aug. 1, 1950	118.1	Aug. 1, 1956	198.1
Feb. 6, 1950	79.3	Aug. 1, 1952	178.1	1957	a243.8

4N/10W-11A2. Depth of well 175 ft. Records furnished by FC. Altitude  
about 3,810 ft.

July 12, 1950	42.23	Nov. 20, 1956	24.40	Oct. 21, 1959	23.0
Dec. 2, 1954	a24.5	Oct. 28, 1957	24.9	Nov. 18, 1960	37.7
Oct. 21, 1955	21.27	Nov. 13, 1958	16.7	Apr. 22, 1964	23.63

5N/9W-2E1. Records furnished by DWR. Altitude about 2,900 ft.

Nov. 6, 1951	154.55	Mar. 19, 1959	163.1	Apr. 10, 1962	167.5
Nov. 29, 1956	a160.1	Mar. 9, 1960	157.3	Nov. 8	168.3
Nov. 25, 1958	163.3	Oct. 19, 1961	166.5	Apr. 2, 1963	166.8
Nov. 17, 1959	163.8				

5N/9W-4F1. Depth of well 197 ft. Records furnished by FC. Altitude  
about 2,882 ft.

Nov. 26, 1956	114.0	Nov. 14, 1958	118.2	Nov. 23, 1960	122.0
Oct. 31, 1957	111.0	Oct. 23, 1959	119.9	May 6, 1964	128.89

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/9W-6B1. Depth of well 98 ft. Records furnished by DWR and FC.  
Altitude about 2,846 ft.

Apr. 2, 1940	47.4	Apr. 24, 1942	38.2	May 15, 1944	25.8
May 18	47.8	May 29	39.37	July 29	25.1
July 27	48.5	June 28	38.75	Mar. 16, 1945	29.8
Aug. 23	48.9	July 31	40.45	Dec. 5	32.9
Sept.	48.9	Aug. 21	40.8	Dec. 18, 1946	34.9
Oct.	49.0	Sept. 25	41.0	Nov. 8, 1948	39.94
Nov. 25	49.05	Oct. 23	41.1	Nov. 29, 1949	43.62
Dec. 28	49.1	Nov. 21	41.2	Nov. 15, 1950	48.15
Jan. 31, 1941	49.2	Dec. 26	41.4	Nov. 5, 1951	52.33
Apr. 9	40.1	Jan. 30, 1943	40.8	Nov. 24, 1952	50.04
May 30	34.9	Feb. 19	37.3	Dec. 2, 1953	56.2
July 18	32.3	Mar. 26	31.9	Jan. 12, 1954	57.3
Aug. 29	33.4	May 3	32.9	Feb. 9	54.90
Sept. 27	34.8	June 26	34.0	Mar. 9	58.25
Nov. 26	36.30	July 22	35.3	Apr. 6	59.60
Dec. 2	36.60	Aug. 20	37.0	May 4	60.75
Jan. 31, 1942	36.80	Sept. 25	39.20	June 15	61.55
Feb. 13	36.98	Dec. 2	31.00	July 20	t63
Mar. 28	37.50	Jan. 22, 1944	32.5	May 17, 1955	64.81

5N/9W-20J1. Depth of well 280 ft in 1926; 274.2 ft May 17, 1955;  
249.5 ft May 8, 1964. Records furnished by DWR and FC. Altitude about  
3,166 ft.

Nov. 26, 1940	b90.2	Apr. 11, 1955	266.75	June 12, 1956	270.4
Apr. 22, 1941	t88.3	May 17	272.34	July 23	270.7
Nov. 26	t81.4	June 15	267.50	Aug. 21	271.0
Dec. 3, 1942	242.9	July 26	269.5	Sept. 18	270.8
Dec. 2, 1943	t80.5	Aug. 24	268.2	Oct. 16	270.8
Mar. 15, 1945	t46.8	Sept. 21	268.4	Nov. 20	270.0
Nov. 4, 1947	235.8	Nov. 1	269.0	Dec. 19	(f)
Nov. 8, 1948	240.9	Nov. 30	269.0	Jan. 22, 1957	272.1
Nov. 29, 1949	240.9	Dec. 20	269.25	Feb. 19	271.9
Nov. 8, 1951	259.48	Jan. 17, 1956	269.4	Mar. 26	(f)
Nov. 9, 1952	262.36	Feb. 20	269.3	Oct. 22, 1958	(f)
Nov. 27, 1953	263.9	Mar. 19	269.4	May 26, 1959	(f)
Nov. 8, 1954	266.1	Apr. 24	269.7	May 8, 1964	(f)
Mar. 21, 1955	266.7	May 23	270.2		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/9W-20K1. Depth of well 286 ft. Records furnished by DWR and FC.  
Altitude about 3,178 ft.

Mar. 26, 1957	243	Mar. 24, 1959	u201.7	Oct. 25, 1960	200.9
Apr. 22	243.1	Apr. 28	188	Nov. 23	207.2
May 27	242.4	May 26	187.0	Dec. 20	220.9
June 18	244.9	June 16	187.3	Jan. 23, 1961	226.1
July 16	p257.8	July 21	188.9	Mar. 1	226.7
Aug. 28	247.2	Aug. 24	191.3	Mar. 21	229.7
Sept. 24	250.7	Sept. 22	t187.9	Apr. 25	231.9
Oct. 28	242.53	Oct. 26	186.2	May 23	234.0
Dec. 2	242.6	Nov. 24	186.9	June 21	u235.5
Jan. 6, 1958	242.7	Dec. 14	186.1	July 26	236.7
Jan. 28	243.1	Jan. 25, 1960	187.3	Aug. 22	237.7
Mar. 4	241.8	Feb. 23	186.9	Sept. 26	238.7
Mar. 31	241.8	Mar. 22	188.5	Oct. 24	239.0
Apr. 22	241.7	Apr. 19	193.4	Nov. 16	239.6
May 20	241.8	May 24	194.5	Jan. 29, 1962	240.8
June 24	241.4	June 29	195.5	Feb. 27	241.4
July 29	241.3	July 26	195.7	Mar. 20	241.5
Aug. 26	241.2	Aug. 23	197.4	Apr. 10	246.4
Sept. 24	241.5	Sept. 27	197.8	May 8, 1964	246.12
Dec. 16	u215.8				

5N/9W-21J1. Depth of well 118.0 ft December 3, 1942, 1.0 ft May 13, 1964  
Records furnished by FC. Altitude about 3,204 ft.

Sept. 12, 1940	111.85	Apr. 22, 1941	110.3	Dec. 3, 1942	(f)
Dec. 26	111.8	Nov. 26	107.8	May 13, 1964	(f)

5N/9W-26C1. Depth of well 700 ft. Records furnished by FC. Altitude about 3,354 ft.

July 26, 1955	302.2	Oct. 30, 1957	303.4	Oct. 23, 1959	303.5
Oct. 26	304.1	Nov. 14, 1958	302.1	Nov. 23, 1960	302.0
Nov. 26, 1956	301.8				

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/9W-26D1. Depth 635 ft. Records furnished by DWR and FC. Altitude about 3,313 ft.

Oct. 26, 1955	321.7	Nov. 14, 1958	328.2	Nov. 23, 1960	319.5
Dec. 12, 1956	322.8	Oct. 23, 1959	329.7	Nov. 24, 1961	u300.4
Oct. 30, 1957	328.9				

5N/9W-31J1. Depth of well 120 ft. Records furnished by DWR and FC. Altitude about 3,432 ft.

Feb. 8, 1951	12.5	Mar. 26, 1957	11.4	July 22, 1959	29.0
Nov. 7	30.86	Apr. 22	10.4	Aug. 24	28.0
Mar. 7, 1955	11.68	May 27	14.3	Sept. 22	25.1
Mar. 21	12.13	June 18	15.4	Oct. 26	24.0
Apr. 11	15.34	July 16	24.0	Nov. 24	25.2
May 17	14.24	Aug. 28	26.3	Dec. 14	21.3
June 15	16.40	Sept. 24	26.6	Jan. 25, 1960	14.6
July 25	26.50	Oct. 28	27.73	Feb. 23	13.0
Aug. 24	26.45	Dec. 2	22.3	Mar. 21	12.5
Sept. 21	25.61	Jan. 6, 1958	8.6	Apr. 19	11.0
Nov. 1	26.10	Jan. 28	8.2	May 24	16.2
Nov. 30	21.30	Mar. 4	6.4	June 29	22.5
Dec. 20	14.10	Apr. 22	4.5	July 26	c34.7
Jan. 17, 1956	10.95	May 20	11.3	Aug. 23	c34.2
Feb. 20	8.35	June 24	7.6	Sept. 27	c34.5
Mar. 19	12.75	July 29	11.8	Nov. 25	c36.5
Apr. 24	11.10	Aug. 26	9.6	Nov. 23	32.3
May 23	11.15	Sept. 24	11.7	Dec. 20	20.3
June 12	15.55	Oct. 22	13.0	Jan. 23, 1961	20.5
July 23	26.65	Nov. 17	12.8	Feb. 21	19.7
Aug. 21	24.10	Dec. 16	8.3	Mar. 21	18.2
Sept. 18	24.30	Jan. 27, 1959	11.9	Apr. 25	22.7
Oct. 16	25.35	Feb. 24	10.9	May 23	c30.2
Nov. 20	22.70	Mar. 24	9.6	June 21	c36.6
Dec. 19	17.65	Apr. 28	11.3	July 26	c41.0
Jan. 22, 1957	9.65	May 26	16.2	Aug. 22	c41.0
Feb. 19	9.60	June 16	22.2	Apr. 21, 1964	c13.84

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/9W-31R1. Records furnished by DWR and FC. Altitude about 3,433 ft.

Nov. 7, 1951	30.50	Jan. 6, 1958	7.6	June 16, 1959	21.2
July 23, 1956	25.6	Jan. 28	7.2	July 21	28.0
Aug. 21	23.1	Mar. 4	5.4	Aug. 24	27.0
Sept. 18	23.3	Apr. 22	3.5	Sept. 22	24.1
Oct. 16	24.4	May 20	10.3	Oct. 26	23.0
Nov. 20	21.7	June 24	6.6	Nov. 24	24.2
Dec. 19	16.6	July 29	10.8	Dec. 14	20.3
Jan. 22, 1957	8.6	Aug. 26	8.6	Jan. 25, 1960	13.6
Feb. 19	8.6	Sept. 24	10.7	July 26, 1961	40.0
Mar. 26	10.4	Oct. 22	12.0	Aug. 22	40.0
Apr. 22	9.4	Nov. 17	11.8	Sept. 26	40.0
May 27	13.3	Dec. 16	7.3	Oct. 24	40.0
July 16	23.0	Jan. 27, 1959	10.9	Nov. 16	39.3
Aug. 28	25.3	Feb. 24	9.9	Jan. 29, 1962	34.5
Sept. 24	25.6	Mar. 24	8.6	Feb. 27	5.1
Oct. 28	26.7	Apr. 28	10.3	Mar. 20	5.8
Dec. 2	21.3	May 26	15.2		

5N/9W-31R2. Depth of well 73.0 ft in 1951; 40.0 ft May 11, 1964. Records furnished by DWR and FC. Altitude about 3,430 ft.

Feb. 28, 1951	16.2	June 12, 1956	19.05	Dec. 2, 1957	25.0
Mar. 7, 1955	16.05	July 23	24.70	Jan. 6, 1958	12.6
Mar. 21	14.67	Aug. 21	30.30	Jan. 28	12.6
Apr. 11	17.78	Sept. 18	31.30	Mar. 4	4.6
May 17	17.85	Oct. 16	33.1	Apr. 22	3.15
June 15	19.20	Nov. 20	29.1	May 20	12.8
July 26	26.80	Dec. 19	23.8	June 24	11.15
Aug. 24	29.6	Jan. 22, 1957	13.65	July 29	10.3
Sept. 21	31.16	Feb. 19	12.3	Aug. 26	12.8
Nov. 1	32.8	Mar. 26	13.7	Sept. 24	15.6
Nov. 30	31.85	Apr. 22	13.6	Oct. 22	17.0
Feb. 20	17.60	May 27	17.75	Nov. 17	15.1
Jan. 17, 1956	15.60	June 18	17.5	Dec. 16	11.7
Feb. 20	12.55	July 16	20.7	Jan. 27, 1959	14.1
Mar. 14	16.60	Aug. 28	22.5	Feb. 24	12.8
Apr. 24	15.95	Sept. 24	30.6	Mar. 24	12.7
May 23	16.70	Oct. 28	23.51	Apr. 28	13.7

Date	Water level	Date	Water level	Date	Water level
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5N/9W-31R2.--Continued.

May 26, 1959	17.9	May 24, 1960	18.7	Apr. 25, 1961	22.1
June 16	21.3	June 29	23.5	May 23	20.1
July 22	23.4	July 26	25.9	June 21	23.9
Aug. 24	26.6	Aug. 23	28.8	July 26	29.6
Sept. 22	24.2	Sept. 27	29.3	Aug. 22	32.6
Oct. 26	23.1	Oct. 25	30.9	Sept. 26	33.9
Nov. 24	25.4	Nov. 23	29.4	Oct. 24	34.2
Dec. 14	24.2	Dec. 20	29.5	Nov. 16	34.2
Jan. 25, 1960	18.7	Jan. 23, 1961	23.0	Jan. 29, 1962	32.0
Feb. 23	17.5	Feb. 21	21.2	Mar. 20	9.4
Mar. 22	17.7	Mar. 21	20.6	May 11, 1964	17.29
Apr. 19	15.4				

5N/9W-34D1. Depth of well 500 ft Oct. 26, 1955; 438.0 ft May 11, 1964. Records furnished by DWR and FC. Altitude about 3,430 ft.

Oct. 26, 1955	424.6	Nov. 14, 1958	423.2	Nov. 24, 1961	427.8
Nov. 26, 1956	424.0	Oct. 23, 1959	423.0	May 11, 1964	(f)
Oct. 30, 1957	423.4	Nov. 23, 1960	424.1		

5N/10W-4R1. Records furnished by DWR. Altitude about 2,811 ft.

Nov. 29, 1956	98.5	Mar. 11, 1958	99.5	Nov. 13, 1959	100.6
Mar. 13, 1957	102.2	Nov. 25	99.2	Mar. 9, 1960	99.3
Nov. 18	98.8	Mar. 19, 1959	104.8	Oct. 16, 1961	106.6

5N/10W-5R1. Depth of well 412 ft. Records furnished by D and LAC. Altitude about 2,803 ft.

1930	86	Jan. 15, 1958	113	Sept. 5, 1958	96
Nov. 2, 1957	113	Feb. 28	117	Nov. 7	107
Nov. 18	118	Mar. 14	104	Dec. 2	105
Dec. 2	115	Mar. 31	113	Jan. 7, 1959	110
Dec. 16	113	Apr. 30	108	Feb. 6	116
Jan. 2, 1958	115	May 30	113	Mar. 3	113

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
5N/10W-5R1.--continued.					
Apr. 6, 1959	a138	Jan. 20, 1961	v116	Jan. 2, 1963	v124
May 4	109	Mar. 24	v117	Feb. 6	v124
June 6	96	May 26	v126	Mar. 5	v120
Aug. 3	76	Dec. 1	v125	Apr. 10	v125
Oct. 6	118	Jan. 3, 1962	v130	May 2	v125
Nov. 9	119	June 1	v122	June 3	v128
Apr. 1, 1960	121	Oct. 6	v126	Aug. 2	v128
June 12	114	Dec. 3	v124	Jan. 14, 1964	122.30
Dec. 2	v115				

5N/10W-6N1. Records furnished by DWR, FC and O. Altitude about 2,777 ft.

Jan. 1926	110	Aug. 27, 1947	92.28	Jan. 25, 1950	105.60
Jan. 1928	89	Sept. 11	99.02	Feb. 15	105.7
Oct. 1930	112	Sept. 18	95.90	Apr. 20	105.55
May 1, 1938	p108	Oct. 2	93.10	June 14	106.6
July 16	107.8	Oct. 9	92.70	July 25	c116.55
Aug. 13	94.6	Oct. 11	97.10	Aug. 23	118.6
Nov. 19	93.0	Oct. 14	97.80	Sept. 13	120.5
Feb. 11, 1939	p93	Oct. 15	96.60	Oct. 25	116.0
Mar. 28, 1940	91.5	Oct. 20	92.5	Nov. 15	111.55
Nov. 26	92.35	Oct. 22	95.0	Dec. 20	109.5
Apr. 28, 1941	87.2	Nov. 12	91.53	Jan. 30, 1951	107.75
Nov. 25	90.8	Nov. 18	93.5	Apr. 9	111.4
Nov. 21, 1942	93.5	Nov. 19	92.3	May 15	110.5
Dec. 16, 1943	90.5	Dec. 3	91.08	June 11	c119.1
May 10, 1944	88.35	Jan. 14, 1948	90.4	July 2	114.7
Mar. 2, 1945	85.05	Jan. 21	90.85	Aug. 6	121.5
Nov. 5	87.95	Feb. 19	90.48	Oct. 2	119.80
Dec. 3, 1946	88.25	Feb. 26	90.48	Nov. 6	116.05
Mar. 5, 1947	88.6	Mar. 23	90.43	Dec. 11	115.80
Mar. 18	88.4	Apr. 7	90.35	May 1, 1952	113.65
Apr. 10	89.0	Apr. 30	92.60	June 4	113.45
Apr. 18	88.15	May 6	91.90	July 10	114.05
May 15	88.85	May 12	95.45	Aug. 6	112.98
June 5	89.5	May 27	95.50	Sept. 8	113.30
June 12	89.05	June 3	94.20	Nov. 14	111.4
July 1	98.3	June 3	95.50	Feb. 17, 1953	109.7
Aug. 14	91.75	June 10	95.18	Mar. 17	109.6
Aug. 19	91.16	July 15	96.4	Apr. 7	112.7
Aug. 25	94.10	Nov. 15, 1949	110.35	May 6	112.57

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
5N/10W-6N1.--continued					
June 11, 1953	115.25	July 17, 1956	147.30	July 7, 1959	119.8
July 7	117.48	Aug. 13	133.00	Aug. 4	120.8
Aug. 4	118.68	Sept. 11	127.65	Sept. 8	118.5
Sept. 1	122.10	Oct. 2	125.25	Oct. 6	115.5
Oct. 6	118.07	Nov. 5	123.50	Oct. 23	115.0
Nov. 10	118.95	Nov. 26	122.20	Nov. 10	116.6
Nov. 27	117.20	Jan. 8, 1957	120.6	Dec. 8	115.1
Jan. 12, 1954	117.60	Feb. 5	119.7	Jan. 5, 1960	113.8
Feb. 9	117.54	Mar. 5	118.6	Feb. 9	112.7
Mar. 4	121.00	Apr. 8	119.5	Mar. 1	112.6
Apr. 1	121.97	May 13	120.5	Apr. 5	117.1
May 4	126.10	June 3	121.4	May 3	116.6
June 15	128.35	July 9	127.37	May 31	118.5
July 20	130.55	July 31	125.9	June 28	122.7
Aug. 17	131.50	Sept. 3	126.2	Aug. 2	124.3
Sept. 14	130.95	Oct. 8	122.8	Sept. 7	122.9
Oct. 13	130.50	Oct. 28	121.2	Oct. 4	126.4
Nov. 8	126.97	Dec. 3	119.4	Nov. 1	121.95
Dec. 7	122.90	Jan. 7, 1958	118.3	Nov. 23	119.9
Jan. 11, 1955	120.70	Feb. 17	117.2	Jan. 3, 1961	118.6
Feb. 8	125.10	Mar. 4	116.7	Feb. 6	118.8
Mar. 8	119.15	Mar. 31	116.2	Mar. 7	122.7
Apr. 12	118.85	Apr. 22	116.7	Apr. 4	121.2
May 11	118.7	May 6	116.4	May 1	124.0
May 17	118.67	June 10	115.9	June 5	125.4
June 21	123.78	July 7	117.6	July 18	127.9
July 19	128.15	Aug. 5	119.5	Aug. 7	130.4
Aug. 16	130.08	Sept. 2	119.6	Sept. 5	126.8
Sept. 13	130.10	Oct. 7	111.1	Oct. 2	128.8
Oct. 25	130.30	Nov. 5	117.3	Nov. 7	126.1
Nov. 29	129.90	Nov. 14	114.6	Nov. 24	127.4
Dec. 19	126.80	Dec. 2	114.0	Jan. 8, 1962	123.0
Jan. 11, 1956	129.2	Jan. 12, 1959	112.8	Feb. 5	122.6
Feb. 7	130.7	Feb. 3	112.5	Mar. 5	121.8
Mar. 13	129.1	Mar. 3	111.8	Apr. 3	124.4
Apr. 3	129.0	Apr. 7	115.2	May 1	123.4
May 1	123.65	May 5	118.5	June 1	123.5
June 6	131.05	June 2	114.7	Jan. 7, 1964	123.39



Date	Water level	Date	Water level	Date	Water level
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5N/10W-7E1. Depth of well 518 ft. Records furnished by D, DWR, FC, and LAC. Altitude about 2,815 ft.

Apr. 1928	115	June 28, 1945	127.30	Apr. 11, 1946	k119.45
July 16, 1938	129.00	June 30	k123.5	Apr. 11	k122.40
Aug. 13, 1938	125.90	July 3	123.3	Apr. 13	k119.50
Mar. 28, 1940	123.45	July 7	122.85	Apr. 19	k119.55
Nov. 27	125.00	July 8	129.00	Apr. 19	k122.05
Apr. 28, 1941	120.1	July 12	130.85	Apr. 22	k119.52
Nov. 26	121.8	July 17	k131.6	Apr. 24	k119.40
Nov. 21, 1942	124.3	July 21	k132.25	Apr. 27	k124.30
Dec. 16, 1943	121.55	July 24	124.5	Apr. 28	k121.06
May 10, 1944	119.90	July 31	131.9	Apr. 28	k124.50
July 1	119.45	Aug. 17	129.88	Apr. 29	k121.38
July 14	119.50	Aug. 31	123.94	Apr. 29	k124.50
July 28	120.15	Sept. 19	123.85	Apr. 30	k121.50
Aug. 12	119.7	Oct. 3	k131.5	May 1	k124.50
Aug. 24	119.3	Oct. 6	k132.1	May 7	k119.76
Sept. 2	119.14	Oct. 8	k123.4	May 21	119.25
Sept. 7	119.10	Oct. 15	k122.7	June 19	127.05
Sept. 16	119.80	Oct. 22	k122.0	July 2	130.8
Sept. 30	119.30	Oct. 29	k121.6	Aug. 2	124.55
Oct. 19	118.50	Nov. 5	k120.95	Aug. 15	124.85
Oct. 29	118.18	Nov. 8	121.28	Sept. 5	125.25
Nov. 12	117.55	Nov. 20	k120.7	Sept. 13	128.37
Nov. 20	117.65	Dec. 3	k121.35	Nov. 1	122.5
Nov. 28	117.43	Dec. 12	120.3	Dec. 3	121.1
Dec. 11	117.26	Dec. 26	k119.9	Dec. 14	120.9
Dec. 21	116.90	Jan. 8, 1946	119.65	Jan. 3, 1947	121.05
Jan. 9, 1945	116.65	Jan. 14	k119.4	Feb. 13	120.8
Feb. 3	116.45	Jan. 30	119.4	Mar. 18	120.70
Feb. 8	116.36	Feb. 3	k118.9	Apr. 10	120.25
Mar. 2	116.50	Feb. 22	k119.1	May 15	121.4
Mar. 15	116.05	Feb. 22	k122.7	June 5	122.8
Mar. 28	116.24	Feb. 24	k119.4	Dec. 3	123.1
Apr. 27	117.07	Mar. 6	k119.3	Dec. 14, 1948	134.9
May 8	117.45	Mar. 28	k119.2	Nov. 15, 1949	148.25
May 21	120.0	Mar. 29	k125.8	Feb. 15, 1950	140.7
June 7	128.60	Mar. 31	k120.5	Apr. 20	138.6
June 20	127.65	Apr. 4	119.55	June 14	c142.7

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/10W-7E1.--continued.

Apr. 23, 1951	148.0	Dec. 16, 1957	149	Apr. 1, 1960	167
Nov. 14, 1952	143.7	Jan. 2, 1958	154	Dec. 2	u146
Feb. 17, 1953	151.1	Jan. 15	147	Jan. 20, 1961	145
Apr. 7	153.7	Feb. 28	139	Mar. 24	145
May 6	154.1	Mar. 14	145	May 26	145
June 11	162.4	Mar. 31	150	Jan. 2, 1962	95
July 7	163.9	Apr. 30	150	June 1	164
Aug. 4	175.2	May 30	154	Oct. 9	97
Sept. 1	157.3	Sept. 5	138	Dec. 3	96
Oct. 6	160.00	Nov. 7	145	Jan. 2, 1963	v91
Nov. 10	160.00	Dec. 2	136	Feb. 6	v78
July 19, 1955	179.35	Jan. 7, 1959	138	Mar. 5	v78
Aug. 16	183.3	Feb. 6	148	Apr. 10	v78
Sept. 13	180.6	Feb. 3	145	May 2	v78
Oct. 26	181.25	Apr. 6	a195	June 3	v86
Nov. 26, 1956	158.2	May 4	143	July 2	v72
Nov. 2, 1957	154	June 1	140	Aug. 2	u169
Nov. 18	160	Aug. 3	179	Jan. 14, 1964	v118
Dec. 2	153	Oct. 6	152		

5N/10W-7P1. Depth of well 625 ft. Records furnished by D, DWR, FC, and LAC. Altitude about 2,873 ft.

1928	170	Mar. 14, 1958	197	Oct. 6, 1959	a206
Nov. 19, 1938	177.8	Mar. 31	203	Nov. 9	187
Nov. 24, 1939	175.3	Apr. 30	a201	Apr. 1, 1960	190
Mar. 28, 1940	175.5	Sept. 5	a181	June 17	a211
Nov. 27	176.8	Nov. 7	a201	Dec. 2	u199
Apr. 28, 1941	172.2	Dec. 2	a181	Jan. 20, 1961	u199
Nov. 2, 1957	198	Jan. 7, 1959	b188	Mar. 24	199
Nov. 18	210	Feb. 6	a202	May 26	a212
Dec. 2	205	Mar. 3	190	Dec. 1	a211
Dec. 16	200	Apr. 6	a211	Jan. 2, 1962	198
Jan. 2, 1958	202	May 4	a201	June 1	a229
Jan. 15	199	June 1	178	Jan. 8, 1964	(m)
Feb. 28	185	Aug. 3	a210		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/10W-7R1. Depth of well 550 ft. Records furnished by D, DWR, FC, and LAC. Altitude about 2,892 ft.

June 1928	195	Feb. 28, 1958	211	Dec. 2, 1960	v229
July 16, 1938	204.0	Mar. 14	221	Jan. 20, 1961	a237
Mar. 28, 1940	201.7	Mar. 31	225	Mar. 24	v229
Nov. 27	202.8	Apr. 30	210	May 26	v231
Apr. 28, 1941	199.2	May 30	218	Dec. 1	v234
Nov. 26	200.92	Sept. 5	208	Jan. 2, 1962	244
Nov. 21, 1942	204.0	Nov. 2	235	June 1	v232
Dec. 15, 1943	201.7	Dec. 2	215	Aug. 14	a279
May 11, 1944	200.7	Jan. 7, 1959	213	Oct. 9	v254
Mar. 7, 1945	200.40	Feb. 6	214	Dec. 3	v241
Nov. 5	202.1	Mar. 3	217	Jan. 2, 1963	v241
Dec. 3, 1947	206.8	Apr. 6	a238	Feb. 6	v247
Dec. 20, 1948	b219.0	May 4	211	Mar. 5	v254
Nov. 18, 1949	214.50	June 1	186	Apr. 10	v252
Nov. 2, 1957	221	Aug. 3	a236	May 2	v244
Nov. 18	230	Oct. 6	228	June 3	v245
Dec. 2	227	Nov. 7	a235	July 2	v257
Dec. 16	223	Apr. 1, 1960	229	Aug. 2	v245
Jan. 2, 1958	227	June 17	217	Jan. 14, 1964 b	v245
Jan. 15	221				

5N/10W-10E1. Depth of well 258 ft. Records furnished by LAC. Altitude about 2,835 ft.

Dec. 1, 1960	a132	Aug. 14, 1962	112	Apr. 10, 1963	v111
Jan. 20, 1961	115	Oct. 8	124	May 2	v111
Mar. 24	115	Dec. 3	115	June 3	v107
May 26	105	Jan. 2, 1963	111	July 2	v113
Oct. 1	108	Feb. 6	v111	Aug. 2	v115
Jan. 2, 1962	108	Mar. 5	v111	Jan. 14, 1964	v121
June 1	a140				

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/10W-10E2. Depth of well 406 ft. Records furnished by LAC and SCE.  
Altitude about 2,831 ft.

Dec. 1, 1960	a150	June 1, 1962	115	Apr. 10, 1963	v124
Jan. 20, 1961	114	Aug. 14	a163	May 2	v154
Mar. 24	114	Oct. 9	114	June 3	a v167
Apr. 11	118	Dec. 3	115	July 2	a v169
May 26	a153	Jan. 2, 1963	120	Aug. 2	a v175
Dec. 1	130	Feb. 6	a v157	Jan. 14, 1964	a v161
Jan. 2, 1962	119	Mar. 5	v125		

5N/10W-12B1. Depth of well 90 ft in 1935; 70 ft in 1950, and 55 ft in 1951. Records furnished by DWR and FC. Altitude about 2,884 ft.

Mar. 28, 1940	64.9	Dec. 18, 1946	50.66	Nov. 29, 1948	52.96
Nov. 25	63.4	Jan. 7, 1947	50.74	Dec. 27	53.27
Apr. 9, 1941	56.2	Feb. 5	50.76	Jan. 26, 1949	53.41
Nov. 26	53.8	Mar. 5	50.75	Feb. 23	53.57
Dec. 2, 1943	56.3	Apr. 2	50.76	Mar. 25	53.87
May 15, 1944	55.4	May 6	50.82	Apr. 25	54.01
Mar. 16, 1945	53.2	June 4	50.85	May 26	54.21
July 5	52.4	July 7	50.99	June 22	54.32
Aug. 2	52.14	Aug. 5	50.94	July 26	54.88
Sept. 7	51.89	Sept. 4	51.03	Aug. 23	55.02
Oct. 5	51.72	Oct. 6	50.97	Sept. 26	55.27
Nov. 6	51.51	Nov. 4	51.18	Oct. 25	55.47
Dec. 5	51.29	Dec. 4	51.23	Nov. 21	55.73
Jan. 3, 1946	51.18	Jan. 5, 1948	51.40	Dec. 27	55.80
Feb. 5	51.04	Feb. 2	51.53	Jan. 23, 1950	56.04
Mar. 5	50.85	Mar. 1	51.65	Feb. 21	56.27
Apr. 5	50.76	Mar. 29	51.87	Mar. 22	58.28
May 7	50.64	Apr. 27	51.88	Apr. 24	61.20
June 5	50.46	May 26	51.90	May 23	(f)
July 5	50.38	June 24	52.04	Nov. 5, 1951	(f)
Aug. 6	50.41	July 26	52.25	Nov. 24, 1952	(f)
Sept. 6	50.35	Aug. 25	52.49	Aug. 24, 1954	(f)
Oct. 7	50.4	Sept. 27	52.60	Jan. 13, 1964	(f)
Nov. 5	51.46	Oct. 26	52.78		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/10W-21J1. Depth of well 35 ft on March 29, 1945; 0 ft March 11, 1964. Records furnished by DWR and FC. Altitude about 3,078 ft.

Mar. 29, 1945	21.0	Nov. 4, 1947	21.69	Nov. 13, 1950	22.70
Dec. 5	19.63	Nov. 8, 1948	21.45	Nov. 5, 1951	21.79
Dec. 19, 1946	19.41	Nov. 21, 1949	21.83		

5N/10W-21J2. Depth of well 30 ft. Records furnished by FC and T. Altitude about 3,088 ft.

1920	20	Nov. 26, 1956	23.8	Oct. 23, 1959	25.7
Nov. 27, 1953	22.9	Oct. 30, 1957	24.7	Nov. 23, 1960	25.5
Nov. 8, 1954	23.0	Nov. 14, 1958	24.7	Mar. 11, 1964	26.04
Oct. 26, 1955	23.4				

5N/10W-23F1. Records furnished by DWR and FC. Altitude about 3,040 ft.

Mar. 29, 1940	131.3	Mar. 28, 1942	130.1	Jan. 30, 1943	133.5
Apr. 21	129.5	Apr. 24	129.8	Feb. 19	132.3
June 29	129.7	May 29	129.1	Mar. 26	131.05
July 27	129.8	June 29	129.6	May 3	131.75
Aug. 24	130.08	July 31	130.45	June 26	131.8
Nov. 25	130.85	Aug. 21	131.6	July 22	132.1
Apr. 9, 1941	126.5	Sept. 26	135.9	Aug. 20	132.1
May 30	128.2	Oct. 23	133.6	Dec. 2	133.15
July 18	131.4	Nov. 17	133.1	Jan. 23, 1944	132.75
Aug. 29	132.35	Nov. 30	132.1	May 15	138.6
Feb. 13, 1942	131.75	Dec. 26	133.8		

5N/10W-26B1. Depth of well 86.5 ft September 13, 1940. Records furnished by DWR and FC. Altitude about 3,155 ft.

Sept. 13, 1940	49.6	Dec. 19, 1946	45.68	Nov. 5, 1951	57.49
Apr. 22, 1941	48.2	Nov. 4, 1947	47.67	Nov. 24, 1952	41.69
Dec. 5, 1942	51.3	Nov. 8, 1948	50.19	Nov. 27, 1953	51.20
Mar. 15, 1945	42.9	Nov. 21, 1949	46.91	Nov. 8, 1954	55.0
Dec. 5	47.8	Nov. 13, 1950	51.60	May 17, 1955	53.41

Date	Water level	Date	Water level	Date	Water level
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5N/10W-26G1. Depth of well 175 ft. Records furnished by DWR and FC.  
Altitude 3,248.2 ft.

Nov. 5, 1951	44.30	Nov. 23, 1960	62.0	Jan. 22, 1964	64.92
Oct. 23, 1959	60.5	Nov. 24, 1961	63.6		

5N/10W-29J1. Depth of well 110 ft Sept. 13, 1953; 101.5 ft March 12, 1964. Records furnished by FC. Altitude about 3,279 ft.

Sept. 13, 1953	94.5	Nov. 14, 1958	89.5	Nov. 23, 1960	91.8
Oct. 28, 1957	91.3	Oct. 23, 1959	91.6	Mar. 12, 1964	(f)

5N/10W-29K2. Depth of well 150 ft Sept. 13, 1953; 120 ft March 20, 1964. Records furnished by D and FC. Altitude about 3,275 ft.

1951	85	Dec. 2, 1954	93.6	Nov. 20, 1956	93.20
Sept. 13, 1953	93.72	Oct. 21, 1955	93.75	Oct. 28, 1957	93.0

5N/10W-34N1. Depth of well 60 ft. Records furnished by DWR and FC.  
Altitude about 3,551 ft.

July 23, 1949	23.5	Oct. 21, 1959	28.9	Nov. 16, 1961	28.4
Oct. 28, 1957	27.0	Nov. 18, 1960	29.7	Mar. 17, 1964	31.17
Nov. 13, 1958	28.1				

5N/10W-34P1. Depth of well 346 ft in 1955. Records furnished by D, DWR, and FC. Altitude about 3,552 ft.

Mar. 4, 1955	w185	Nov. 13, 1958	134.1	Nov. 18, 1960	137.6
Oct. 28, 1957	135.6	Oct. 21, 1959	141.6	Mar. 18, 1964	151.61

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/11W-4E1. Depth of well 400 ft May 2, 1951. Records furnished by DWR, FC, and WRB. Altitude about 2,694.6 ft.

Nov. 26, 1941	141.8	June 18, 1954	a317	Nov. 25, 1958	169.6
Dec. 4, 1942	c143.2	Aug. 20	175.5	Mar. 19, 1959	155.6
Nov. 30, 1943	144.0	Nov. 8	172.85	Oct. 26	156.7
Dec. 14, 1948	149.4	Mar. 18, 1955	172.2	Nov. 10	156.8
Nov. 18, 1949	150.1	May 17	172.63	Mar. 9, 1960	158.6
Dec. 13, 1950	167.2	Oct. 26	166.3	Nov. 28	155.1
May 2, 1951	179	Mar. 12, 1956	174.3	Oct. 16, 1961	157.1
May 2	a248	Nov. 26	162.9	Nov. 24	156.1
Nov. 17, 1952	172.8	Mar. 13, 1957	159.4	Apr. 10, 1962	173.9
Nov. 27, 1953	172.85	Oct. 31	159.2	Dec. 4, 1963	165.25
June 18, 1954	243	Nov. 14, 1958	158.0		

5N/11W-4E2. Depth of well 400 ft in 1951. Records furnished by FC and WRB. Altitude about 2,713 ft.

Nov. 26, 1941	138.85	May 10, 1951	154	May 26, 1955	a224
Nov. 29, 1943	137.9	May 10	a252	Dec. 3, 1963	149.84
May 9, 1944	c139.1	May 26, 1955	165		

5N/11W-4P1. Depth of well about 378 ft September 13, 1940. Records furnished by FC. Altitude about 2,722 ft.

Sept. 13, 1940	153.35	Jan. 31, 1942	144.9	Nov. 27, 1942	153.85
Dec. 8	147.40	Feb. 13	145.6	July 30, 1943	153.56
Jan. 31, 1941	145.40	Mar. 28	c151.4	Feb. 19	153.26
Apr. 9	144.00	Apr. 24	155.7	Mar. 26	c157.18
May 30	147.6	May 29	157.0	Apr. 30	ml60
Aug. 29	ml60	June 27	159.4	May 3	ml60
Sept. 27	ml60	July 31	ml60	Jan. 22, 1944	ml60
Nov. 28	146.03	Aug. 21	ml60	Mar. 7, 1945	155.18
Dec. 1	145.5	Sept. 25	ml60		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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5N/11W-4R1. Depth of well 375 ft. Records furnished by FC. Altitude about 2,756 ft.

Sept. 13, 1940	153.4	Dec. 16, 1943	c152.6	Dec. 3, 1946	142.0
Nov. 26, 1941	149.25	May 9, 1944	154.7	Dec. 3, 1947	146.05
Feb. 13, 1942	148.37	Mar. 16, 1945	145.28	Dec. 14, 1948	150.1
Nov. 21	151.8	Nov. 5	140.75	Nov. 18, 1949	144.1

5N/11W-4R2. Depth of well 300 ft November 24, 1949. Records furnished by D and FC. Altitude about 2,755 ft.

Oct. 1949	w195	Dec. 11, 1951	154.84	Dec. 10, 1963	169.99
Nov. 23	147.75	Nov. 17, 1952	159.2		

5N/11W-5F1. Depth of well 550 ft February 24, 1960. Records furnished by O. Altitude about 2,711 ft.

Apr. 26, 1961	189	Mar. 12, 1962	188	Oct. 16, 1962	188
June 7	a242	May 16	187	Dec. 11	187
Sept. 12	189	June 11	193	Feb. 20, 1963	187
Oct. 23	186	June 11	a229	Mar. 26	190
Dec. 27	188	Aug. 14	198	Apr. 19	188
Feb. 1, 1962	188				

5N/11W-5L1. Depth of well 302.0 ft November 26, 1957. Records furnished by O and SCE. Altitude about 2,715 ft.

Dec. 5, 1957	214	Oct. 19, 1960	212	May 16, 1962	a235
Dec. 5	a245	Apr. 26, 1961	205	Aug. 14	209
Jan. 10, 1958	214	June 7	a232	Oct. 16	207
Jan. 10	a245	Oct. 23	a230	Dec. 11	207
Aug. 10	a257	Dec. 27	a235	Feb. 20, 1963	177
Aug. 17	a257	Feb. 1, 1962	a223	Mar. 26	202
Feb. 12, 1959	209	Mar. 12	a223	Apr. 19	202
Sept. 21	a249				

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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5N/11W-9Q1. Depth of well 98.2 ft May 17, 1955. Records furnished by DWR and FC. Altitude about 2,857 ft.

Sept. 12, 1940	51.8	Dec. 14, 1948	50.2	Oct. 21, 1955	53.05
Apr. 9, 1941	50.5	Nov. 15, 1949	47.6	Nov. 26, 1956	53.50
Dec. 2	46.08	Nov. 30, 1950	51.55	Oct. 31, 1957	45.5
Nov. 21, 1942	37.8	Dec. 11, 1951	54.35	Nov. 13, 1958	57.1
Dec. 16, 1943	40.6	Nov. 17, 1952	54.8	Oct. 20, 1959	57.0
May 15, 1944	39.5	Nov. 27, 1953	54.6	Nov. 25, 1960	57.1
Mar. 7, 1945	29.45	Nov. 8, 1954	53.45	Nov. 15, 1961	58.7
Nov. 5	30.4	May 17, 1955	53.37	Dec. 10, 1963	61.71
Dec. 3, 1946	37.2				

5N/11W-9R1. Records furnished by FC. Altitude about 2,833 ft.

Sept. 12, 1940	52.1	Nov. 27, 1942	40.93	Mar. 7, 1945	32.85
Apr. 19, 1941	51.55	Dec. 16, 1943	43.45	Nov. 5	32.6
Dec. 2	48.74	May 15, 1944	41.5	Dec. 3, 1946	32.95

5N/11W-10R1. Records furnished by FC. Altitude about 2,835 ft.

Oct. 19, 1927	107.0	May 10, 1932	120.1	Jan. 31, 1941	116.8
Dec. 6	108.0	May 29, 1937	126.0	Apr. 9	114.7
Jan. 21, 1928	108.0	June 26	125.0	May 30	114.9
July 29	109.0	Feb. 26, 1938	137.2	July 18	41.8
Dec. 5	110.5	May 1	131.2	Aug. 29	42.84
Feb. 4, 1930	114.0	July 16	140.7	Sept. 27	42.99
Apr. 26	114.6	Aug. 13	144.5	Nov. 26	61.28
Aug. 17	115.0	Sept. 24	131.3	Feb. 13, 1942	77.6
Nov. 29	115.5	Nov. 19	134.2	Mar. 28	77.65
Feb. 22, 1932	159.6	Feb. 11, 1939	133.1	Apr. 24	77.8
Mar. 1	120.6	May 20	125.5	May 29	78.05
Mar. 9	119.9	Mar. 28, 1940	113.3	June 27	78.25
Mar.	119.9	May 31	113.45	July 31	78.48
Mar. 28	119.5	June 29	113.60	Aug. 21	79.00
Apr. 12	120.0	July 27	113.6		
Apr. 26	119.95	Aug. 24	113.7		

Date	Water level	Date	Water level	Date	Water level
5N/11W-10R1.--continued.					
Sept. 25, 1942	78.3	Apr. 10, 1947	80.7	Apr. 23, 1951	102.8
Oct. 23	78.9	May 15	81.3	May 15	103.2
Nov. 17	79.42	June 5	83.15	June 11	103.75
Dec. 26	79.8	July 7	84.5	July 2	104.25
Jan. 30, 1943	80.1	Sept. 11	85.75	Aug. 6	103.8
Feb. 19	80.26	Oct. 2	86.65	Oct. 2	104.4
Mar. 26	80.65	Nov. 12	89.00	Nov. 6	104.8
May 3	81.15	Dec. 3	91.25	Dec. 7	105.1
May 29	81.70	Jan. 14, 1948	91.0	July 10, 1952	107.2
June 26	81.64	Feb. 25	90.83	Aug. 6	107.3
July 22	73.8	Mar. 3	90.50	Sept. 8	107.8
Aug. 20	42.78	Apr. 30	91.3	Nov. 14	108.45
Sept. 25	43.2	June 10	92.5	Feb. 17, 1953	109.25
Dec. 16	71.6	July 15	93.2	Mar. 17	109.50
Jan. 23, 1944	76.6	Aug. 11	94.2	Apr. 7	109.75
May 9	42.15	Sept. 10	94.10	May 6	109.98
July 28	35.9	Oct. 15	94.15	June 11	110.25
Jan. 9, 1945	57.60	Nov. 9	94.25	July 7	110.65
Feb. 8	59.20	Dec. 14	95.15	Aug. 4	110.75
Mar. 2	59.05	Feb. 2, 1949	94.7	Sept. 1	111.05
May 8	57.08	Mar. 3	92.25	Oct. 6	111.20
June 7	51.15	Apr. 12	92.6	Nov. 10	111.70
June 29	48.30	May 26	93.8	Nov. 27	111.60
July 31	54.4	July 13	94.7	Jan. 12, 1954	112.05
Aug. 31	59.7	Aug. 2	96.1	Feb. 10	112.15
Oct. 3	60.9	Sept. 29	97.5	Mar. 4	112.30
Nov. 5	59.98	Oct. 19	99.1	Apr. 1	112.48
Dec. 3	62.65	Nov. 16	98.4	May 4	114.90
Jan. 8, 1946	65.10	Dec. 28	98.4	June 15	113.35
Feb. 4	66.50	Jan. 25, 1950	99.02	July 20	113.25
Mar. 6	68.50	Feb. 15	98.5	Aug. 19	113.70
Apr. 4	70.48	Apr. 20	99.8	Sept. 14	115.40
May 7	72.32	May 3	99.2	Oct. 13	117.60
July 3	75.05	June 14	100.4	Nov. 8	117.60
Aug. 2	75.80	July 26	100.55	Dec. 7	116.90
Sept. 5	77.1	Aug. 23	100.9	Jan. 11, 1955	117.40
Oct. 17	78.0	Sept. 13	101.15	Feb. 8	117.70
Nov. 1	79.2	Oct. 25	101.4	Mar. 9	116.95
Dec. 4	78.5	Nov. 15	101.5	Apr. 11	118.5
Jan. 3, 1947	80.05	Dec. 20	101.9	May 11	118.4
Feb. 13	79.9	Jan. 30, 1951	102.3	May 17	116.23
Mar. 5	79.5	Feb. 27	102.9	Dec. 11, 1963	113.72

Date	Water level	Date	Water level	Date	Water level
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5N/11W-12H1. Depth of well 310 ft November 11, 1937. Records furnished by DWR, FC, and WRB. Altitude about 2,804 ft.

Nov. 11, 1937	111.5	Nov. 21, 1942	106.5	1946	97
Mar. 29, 1940	106.0	Dec. 16, 1943	103.9	1949	108
Nov. 27	107.4	May 10, 1944	101.5	1954	127
Mar. 28, 1941	102.3	Nov. 5, 1945	102.7	Dec. 11, 1963	143.55
Nov. 26	104.1				

5N/11W-12Q1. Depth of well 392 ft November 11, 1937; 490 ft in 1944; 450 ft in 1959. Records furnished by DWR and FC. Altitude about 2,832 ft.

Dec. 1927	100	Nov. 5, 1945	128.25	Nov. 8, 1954	176.4
Nov. 11, 1937	p136.6	Dec. 3, 1946	128.65	May 17, 1955	163.58
Mar. 29, 1940	131.4	Dec. 3, 1947	131.4	Nov. 7	182.2
Nov. 27	133.2	Dec. 14, 1948	142.1	Oct. 31, 1957	174.8
Apr. 28, 1941	129.8	Nov. 15, 1949	152.85	Nov. 14, 1958	170.8
Nov. 26	130.4	Nov. 30, 1950	151.6	Aug. 4, 1959	182.4
Nov. 21, 1942	133.1	Dec. 11, 1951	158.6	Nov. 23, 1960	v175
Dec. 16, 1943	134.2	Nov. 1952	156.4	Nov. 24, 1961	191.0
May 10, 1944	131.7	Nov. 27, 1953	a166.4	Dec. 20, 1963	v178
Mar. 2, 1945	122.2				

5N/11W-12R1. Depth of well 602 ft in 1924. Records furnished by FC and O. Altitude about 2,841 ft.

Nov. 1927	110	June 29, 1940	145.2	Dec. 26, 1942	143.9
Nov. a168		Aug. 24	149.1	Jan. 30, 1943	143.25
Nov. 11, 1937	147.0	Nov. 26	144.55	Feb. 19	141.84
Feb. 26, 1938	146.6	Dec. 28	144.3	Mar. 19	142.88
May 1	145.8	Jan. 31, 1941	144.1	May 3	142.67
July 16	145.0	Apr. 9	143.1	Dec. 16	144.0
Aug. 13	145.4	May 30	143.1	Jan. 23, 1944	143.3
Sept. 24	144.7	July 18	143.2	May 10	141.35
Nov. 19	144.55	Aug. 29	143.35	Mar. 15, 1945	139.0
Feb. 11, 1939	144.3	Sept. 27	142.75	Nov. 15, 1949	160.9
Nov. 24	145.2	Nov. 24	142.1	Dec. 19, 1950	173.9
Feb. 16, 1940	142.1	Feb. 13, 1942	142.3	Dec. 11, 1951	179.4
Mar. 28	143.35	Apr. 24	141.9	Nov. 17, 1952	177.6
Apr. 21	143.9	Aug. 21	147.9	Dec. 20, 1963	v189
May 31	145.0	Nov. 21	144.85		

Date	Water level	Date	Water level	Date	Water level
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5N/11W-13J1. Depth of well 365 ft in 1943; 254.0 ft November 26, 1956. Records furnished by D and FC. Altitude about 2,913 ft.

Nov. 1943	210	Dec. 3, 1947	219.8	Nov. 14, 1952	238.4
May 11, 1944	211.4	Dec. 14, 1948	227.1	Oct. 26, 1955	249.8
Mar. 29, 1945	207.9	Nov. 15, 1949	232.1	Nov. 26, 1956	249.7
Nov. 5	212.95	Nov. 30, 1950	237.3	Oct. 31, 1957	246.7
Dec. 3, 1946	214.6	Dec. 11, 1951	242.4	Nov. 14, 1958	239.4

5N/11W-13K1. Depth of well 488 ft in 1943. Records furnished by D and FC. Altitude about 2,890 ft.

Dec. 16, 1943	177	Mar. 29, 1945	168.5	Dec. 20, 1963	p v100
May 11, 1944	173.7	Dec. 3, 1946	180.3		

5N/11W-14F1. Depth of well 42.8 ft November 6, 1915; 42.5 ft December 5, 1928; 31.5 ft December 2, 1941; 20.0 ft November 5, 1945. Records furnished by FC, O, and T. Altitude about 2,880 ft.

Nov. 6, 1915	31.8	July 16, 1924	42.9	Dec. 29, 1932	34.9
Dec. 2	41.8	Oct. 24	(f)	Apr. 13, 1933	35.5
Jan. 4, 1916	33.5	May 5, 1925	(f)	Dec. 20	(f)
Feb. 1	20.3	Oct. 7	(f)	Apr. 19, 1934	(f)
Mar. 17	19.2	May 12, 1926	31.15	May 2, 1935	22.7
Apr. 3	17.8	Oct. 16	34.9	Apr. 22, 1937	22.7
May 2	16.5	May 10, 1927	22.2	May 29	30.05
June 6	21.5	Oct. 26	30.9	June 26	31.75
July 1	21.5	Dec. 6	31.5	May 1, 1938	21.15
Aug. 1	28.5	Jan. 21, 1928	34.8	July 16	21.3
Sept. 8	22.3	Apr. 25	36.4	Aug. 13	24.0
Nov. 6	35.5	July 29	38.5	Sept. 24	27.4
Jan. 9, 1920	38.3	Nov. 17	41.5	Nov. 19	31.3
Apr. 29, 1921	33.7	Dec. 5	(f)	Feb. 11, 1939	27.3
Oct. 29	34.9	Apr. 16, 1932	21.8	Mar. 8	25.5
Jan. 5, 1922	36.85	May 5	21.2	May 20	28.2
Oct. 21	33.8	May 10	21.2	Jan. 31, 1941	(f)
July 14, 1923	32.6	Aug. 6	31.3	Apr. 9	21.9

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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5N/11W-14F1.--continued

Apr. 10, 1941	21.74	Mar. 26, 1943	19.1	Aug. 20, 1943	27.84
May 30	21.1	Apr. 20	18.03	Sept. 25	28.75
July 18	23.7	May 3	17.59	May 9, 1944	18.3
Aug. 29	24.5	May 29	18.77	July 28	21.8
Sept. 27	27.22	June 26	21.95	Sept. 26	21.8
Oct. 23	29.1	July 22	24.10	Mar. 7, 1945	26.07
Nov. 26	31.60				

5N/11W-14Z1. Depth of well 52.5 ft Nov. 6, 1915; 0 ft Dec. 11, 1963.  
Records furnished by T. Altitude about 2,923 ft.

Nov. 6, 1915	51.1	Mar. 17, 1916	26.8	July 1, 1916	43.5
Dec. 2	52.5	Apr. 3	25.9	Aug. 1	48.5
Jan. 4, 1916	(f)	May 2	30.5	Sept. 8	50.2
Feb. 1	24.8	June 6	38.5	Nov. 6	45.5

5N/11W-23Z1. Records furnished by T. Altitude about 2,940 ft.

Nov. 6, 1915	15.4	Mar. 17, 1916	10.7	July 1, 1916	15
Dec. 2	15.7	Apr. 3	10.3	Aug. 1	15.5
Jan. 4, 1916	10.7	May 2	11	Sept. 8	16.5
Feb. 1	10.5	June 6	14	Nov. 6	15.3
				Dec. 13, 1963	(f)

6N/8W-10N1. Depth of well 35 ft Nov. 18, 1939; 0 ft Mar. 23, 1964.  
Records furnished by FC. Altitude about 2,803 ft.

Apr. 7, 1932	27.53	Nov. 10, 1937	28.8	Dec. 15, 1943	30.1
Apr. 14, 1933	27.5	May 24, 1938	27.8	May 15, 1944	27.7
Apr. 20, 1934	28.8	Mar. 10, 1939	28.7	Dec. 22	25.68
May 2, 1935	27.4	Nov. 18	29.2	Mar. 8, 1945	25.95
Dec. 12	27.6	Mar. 14, 1940	30.2	Nov. 7	24.33
Apr. 15, 1936	27.6	Nov. 27	30.4	Nov. 27, 1946	24.36
Jan. 9, 1937	27.8	Apr. 22, 1942	28.6	Nov. 7, 1947	25.20
Apr. 22	27.8	Apr. 22, 1943	28.6		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/8W-10N2. Depth of well 35 ft in 1947. Records furnished by FC.  
Altitude about 2,804 ft.

Nov. 7, 1947	25.54	Nov. 16, 1950	28.48	Dec. 3, 1952	24.72
Nov. 15, 1948	27.35	Nov. 8, 1951	29.22	Mar. 23, 1964	30.00

6N/8W-18D1. Depth of well 215 ft in 1920; 210 ft Mar. 14, 1940. Records furnished by DWR and FC. Altitude about 2,723 ft.

Nov. 18, 1939	157.0	Nov. 27, 1946	158.62	Nov. 16, 1950	160.50
Mar. 14, 1940	157.1	Jan. 7, 1947	158.54	Nov. 8, 1951	160.89
Nov. 27	157.6	Feb. 5	158.94	Dec. 3, 1952	161.99
Apr. 25, 1941	157.7	Mar. 5	159.00	Dec. 2, 1953	162.3
Dec. 22, 1944	158.1	June 4	160.00	Nov. 8, 1954	p163
Mar. 8, 1945	159.50	July 7	160.00	Oct. 25, 1955	163.8
Sept. 7	160.48	Sept. 4	159.13	Nov. 26, 1956	171.9
Dec. 7	158.55	Oct. 6	159.51	Oct. 30, 1957	165.3
Mar. 5, 1946	159.71	Nov. 7	159.28	Nov. 14, 1958	165.9
May 7	158.90	Jan. 5, 1948	159.72	Oct. 23, 1959	166.1
July 5	158.94	Mar. 1	159.60	Nov. 22, 1960	a170.0
Sept. 6	159.2	Nov. 23, 1949	160.04	Nov. 22, 1961	169.1
Nov. 5	158.7				

6N/8W-32P1. Depth of well 280 ft in 1964. Records furnished by FC.  
Altitude about 2,955 ft.

July 27, 1940	192.5	Dec. 3, 1942	197.7	Nov. 15, 1948	193.09
Nov. 25	192.7	Dec. 15, 1943	196.2	Nov. 16, 1950	188.65
Jan. 31, 1941	192.3	Dec. 22, 1944	196.35	Nov. 8, 1951	187.60
Aug. 29	197.7	Mar. 8, 1945	190.65	Nov. 15, 1952	187.43
Feb. 13, 1942	190.75	Nov. 7	196.65		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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6N/9W-4H1. Records furnished by FC. Altitude about 2,596 ft.

Apr. 7, 1932	100.0	Nov. 10, 1937	103.6	Apr. 21, 1943	108.3
Apr. 14, 1933	100.5	May 24, 1938	104.1	Dec. 15	108.8
Apr. 20, 1934	101.2	Mar. 11, 1939	104.3	May 15, 1944	108.1
May 2, 1935	101.9	Mar. 14, 1940	105.7	Nov. 7, 1945	111.21
Dec. 12	102.3	Apr. 25, 1941	106.6	Nov. 27, 1946	112.98
Apr. 15, 1936	102.5	Apr. 22, 1942	107.4	Nov. 7, 1947	113.65
Jan. 9, 1937	103.1	Dec. 3	108.6	Nov. 15, 1948	115.81
Apr. 22	103.2				

6N/9W-4H2. Depth of well 336 ft in 1949. Records furnished by DWR and FC. Altitude about 2,595 ft.

Nov. 23, 1949	120.56	May 17, 1955	129.85	Oct. 23, 1959	136
Nov. 16, 1950	124.27	Dec. 25	130.55	Nov. 22, 1960	136.7
Nov. 8, 1951	124.78	Mar. 9, 1956	132.0	Oct. 19, 1961	138.9
Nov. 26, 1952	126.50	Oct. 30	132.5	Nov. 22	139.1
Dec. 3, 1953	128.45	Nov. 26	130.90	Apr. 10, 1962	148.2
Mar. 26, 1954	128.9	Mar. 11, 1957	138.0	Jan. 23, 1964	146.03
Nov. 8	130.07	Nov. 17, 1958	133.2		

6N/9W-6L1. Depth of well 100 ft in 1930; 160 ft in 1957. Records furnished by D and DWR. Altitude about 2,600 ft.

1930	65	Dec. 13, 1956	91.2	Jan. 21, 1964	112.28
Aug. 15, 1953	83.4	Aug. 29, 1958	97.4		

6N/9W-11N1. Depth of well 295 ft October 2, 1956. Records furnished by DWR and FC. Altitude about 2,666 ft.

Nov. 14, 1951	137.28	Aug. 28, 1952	137.60	Apr. 6, 1954	142.32
Dec. 27	136.88	Sept. 30	137.64	May 4	139.90
Jan. 30, 1952	136.92	Oct. 30	137.69	June 15	139.90
Feb. 28	138.60	Nov. 26	137.87	July 20	140.00
Mar. 28	140.45	Dec. 31	138.16	Aug. 17	140.10
Apr. 24	137.45	Dec. 2, 1953	139.35	Sept. 14	140.15
May 27	137.20	Jan. 12, 1954	139.5	Oct. 13	140.25
June 27	137.38	Feb. 9	139.5	Nov. 18	140.55
July 31	137.46	Mar. 9	139.65	Dec. 7	140.35

Date	Water level	Date	Water level	Date	Water level
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6N/9W-11N1.--continued.

Feb. 8, 1955	140.50	July 31, 1957	142.6	Jan. 5, 1960	144.6
Mar. 8	140.6	Sept. 3	142.6	Feb. 9	144.8
Apr. 12	140.75	Oct. 8	142.8	Mar. 1	145.0
May 11	140.78	Oct. 28	142.73	Apr. 3	144.8
May 17	140.77	Dec. 3	142.8	May 3	144.9
June 21	140.85	Jan. 7, 1958	142.8	May 31	145.0
July 19	140.95	Feb. 17	132.8	June 28	144.8
Aug. 16	140.94	Mar. 4	143.0	Aug. 2	145.2
Sept. 13	141.05	Mar. 31	142.7	Sept. 7	145.4
Oct. 25	141.05	Apr. 22	145.0	Oct. 4	145.3
Nov. 29	141.6	May 6	143.1	Nov. 1	145.3
Dec. 19	141.2	June 10	143.2	Nov. 22	145.2
Jan. 11, 1956	141.3	July 7	143.4	Jan. 3, 1961	145.8
Feb. 7	141.45	Aug. 5	143.4	Feb. 7	146.1
Mar. 13	141.40	Sept. 2	143.4	Mar. 7	146.2
Apr. 3	141.55	Oct. 7	143.4	Apr. 4	146.3
May 1	141.65	Nov. 5	143.5	May 1	146.6
June 6	141.70	Dec. 2	143.2	June 5	146.7
July 17	141.70	Jan. 12, 1959	143.7	July 18	147.7
Aug. 13	143.55	Feb. 3	143.8	Aug. 7	148.0
Sept. 11	141.80	Mar. 3	143.8	Sept. 5	148.4
Oct. 2	145.75	Apr. 7	143.9	Oct. 2	148.5
Nov. 5	142.00	May 5	144.0	Nov. 7	148.3
Nov. 26	142.00	June 2	144.0	Nov. 22	148.3
Jan. 8, 1957	142.0	July 7	144.4	Jan. 8, 1962	148.3
Feb. 5	142.2	Aug. 4	144.2	Feb. 5	148.7
Mar. 5	142.2	Sept. 8	144.0	Mar. 5	148.5
Apr. 8	142.2	Oct. 6	144.3	Apr. 3	148.5
May 13	142.4	Oct. 23	144.5	May 1	149.2
June 3	142.4	Nov. 9	144.4	June 1	150.7
July 9	142.4	Dec. 8	144.5	Jan. 24, 1964	155.75

6N/9W-14Q1. Records furnished by DWR and FC. Altitude about 2,716 ft.

Nov. 14, 1951	144.1	Nov. 18, 1957	147.5	Oct. 19, 1961	151.0
Mar. 26	145.2	Mar. 11, 1958	148.0	Apr. 10, 1962	160.9
Mar. 18, 1955	145.2	Nov. 25	148.5	Nov. 8	153.3
Mar. 9, 1956	146.4	Mar. 19, 1959	148.7	Apr. 2, 1963	151.2
Nov. 29	146.8	Nov. 17	149.1	Jan. 28, 1964	155.75
Mar. 12, 1957	162.3	Mar. 9, 1960	148.9		



Date	Water level	Date	Water level	Date	Water level
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6N/9W-26Q1. Depth of well 106.5 ft November 12, 1951; 102.8 ft February 7, 1964. Records furnished by DWR and FC. Altitude about 2,809.5 ft.

May 18, 1940	110.7	Apr. 28, 1941	m108	Nov. 12, 1961	(f)
July 27	110.6	Mar. 16, 1945	113.9	Feb. 7, 1964	(f)
Nov. 25	110.7				

6N/9W-29G1. Depth of well 231 ft in 1947. Records furnished by D, DWR, and FC. Altitude about 2,781 ft.

Oct. 1947	w33	Nov. 29, 1956	54.0	Mar. 11, 1958	59.0
Mar. 26, 1954	44.1	Mar. 12, 1957	59.0	Feb. 11, 1964	83.40
Mar. 17, 1955	50.2	Nov. 18	57.8		

6N/9W-30F1. Depth of well 312 ft in 1922; 92.3 ft February 13, 1964. Records furnished by DWR and FC. Altitude about 2,758 ft.

Nov. 13, 1951	45.97	July 17, 1956	51.30	Oct. 8, 1957	54.1
Aug. 24, 1954	47.4	Aug. 13	51.30	Oct. 28	52.08
Sept. 14	47.6	Sept. 11	51.30	Dec. 3	51.9
Oct. 13	48.05	Oct. 2	51.45	Jan. 7, 1958	51.6
Nov. 4	48.20	Nov. 5	57.80	Feb. 17	51.27
Dec. 7	48.30	Nov. 26	54.80	Mar. 4	50.8
Jan. 11, 1955	48.45	Jan. 8, 1957	51.10	Mar. 31	50.2
Feb. 8	48.5	Feb. 5	51.0	Apr. 22	49.1
Mar. 8	48.68	Mar. 5	51.0	May 6	48.3
Apr. 12	49.05	Apr. 8	51.3	June 10	34.35
May 11	49.37	May 13	51.6	July 7	34.7
Mar. 13, 1956	50.20	June 3	51.8	Aug. 5	37.6
Apr. 3	50.35	July 9	55.47	Sept. 2	39.6
May 1	50.6	July 31	55.0	Oct. 7	41.0
June 6	51.0	Sept. 3	55.1	Nov. 5	41.5

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/9W-30F1.--continued.

Dec. 2, 1958	41.8	Dec. 8, 1959	48.6	July 18, 1961	53.1
Jan. 12, 1959	42.3	Jan. 5, 1960	48.8	Aug. 7	53.3
Feb. 3	42.6	Feb. 9	49.1	Sept. 5	53.3
Mar. 3	46.6	Mar. 1	50.6	Oct. 2	53.5
Apr. 7	43.3	Apr. 5	50.2	Nov. 7	53.5
May 5	48.4	May 3	50.6	Nov. 24	53.4
June 1	44.4	May 31	50.9	Jan. 8, 1962	53.1
July 7	41.1	June 28	51.2	Feb. 5	53.1
Aug. 4	45.8	Aug. 2	51.5	Mar. 5	50.8
Sept. 8	46.6	Sept. 7	51.6	Apr. 3	53.0
Oct. 6	47.2	Oct. 4	51.9	May 1	51.4
Oct. 23	47.0	Nov. 1	51.8	June 1	51.7
Nov. 9	47.9	Nov. 23	51.6	Feb. 13, 1964	55.84

6N/9W-30J1. Depth of well 96 ft August 24, 1954; 3.0 ft February 13, 1964. Records furnished by FC. Altitude about 2,780 ft.

Aug. 24, 1954	46.8	Oct. 25, 1955	49.2	Jan. 11, 1956	48.8
Aug. 16, 1955	47.26	Nov. 29	49.15	Feb. 7	48.75
Sept. 13	47.0	Dec. 19	47.00	Feb. 13, 1964	(f)

6N/9W-31R1. Depth of well 42.7 ft February 18, 1964. Records furnished by FC. Altitude about 2,833 ft.

May 18, 1940	40.5	Nov. 4, 1947	28.90	July 31, 1952	39.77
Nov. 25	41.25	Nov. 8, 1948	33.12	Aug. 28	38.38
Apr. 9, 1941	32.1	Nov. 23, 1949	36.17	Sept. 30	39.23
Nov. 26	28.2	Jan. 30, 1952	43.85	Oct. 30	41.75
Dec. 3, 1942	34.4	Feb. 28	43.30	Nov. 24	41.83
Dec. 2, 1943	24.6	Mar. 28	44.20	Dec. 31	41.73
May 15, 1944	9.8	Apr. 24	45.38	Aug. 24, 1954	(f)
Mar. 16, 1945	22.27	May 27	43.08	May 17, 1955	(f)
Dec. 5	27.50	June 27	42.00	Feb. 18, 1964	(f)
Dec. 18, 1946	29.18				

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/9W-33R1. Depth of well 123.4 ft February 19, 1964. Records furnished by DWR. Altitude about 2,857 ft.

Nov. 29, 1956	97.7	Mar. 19, 1959	107.1	Oct. 16, 1961	114.6
Nov. 18, 1957	101.4	Nov. 17	107.8	Apr. 10, 1962	119.1
Mar. 11, 1958	100.9	Mar. 9, 1960	103.2	Feb. 19, 1964	(f)

6N/9W-34N1. Depth of well 520 ft in 1908; 475 ft in January 1964. Records furnished by DWR, FC and O. Altitude about 2,857 ft.

1908	40	1948	96	Feb. 20, 1964	(a)
1935	60	Nov. 15, 1951	100.4		

6N/10W-9E1. Records furnished by FC. Altitude about 2,576 ft.

Nov. 27, 1940	p135.1	Nov. 26, 1946	189.91	Nov. 10, 1954	p198
Apr. 24, 1941	129.9	Nov. 10, 1948	192.8	Oct. 26, 1955	206.3
Dec. 2	125.4	Nov. 29, 1949	193.05	Nov. 27, 1956	199.4
Dec. 5, 1942	134.2	Nov. 15, 1950	193.74	Oct. 30, 1957	200.2
Oct. 15, 1943	136.4	Nov. 5, 1951	195.04	Nov. 15, 1958	p187
Mar. 14, 1945	187.6	Nov. 24, 1952	194.94	Oct. 22, 1959	201.5
Mar. 28	187.6	Dec. 3, 1953	201.1	Nov. 22, 1960	204.9
Dec. 5	189.44				

6N/10W-9K1. Depth of well 219.0 ft January 14, 1964. Records furnished by FC. Altitude about 2,586 ft.

Nov. 27, 1940	146.8	Dec. 2, 1941	136.6	Dec. 15, 1943	147.4
Apr. 24, 1941	141.2	Dec. 5, 1942	145.2	Jan. 14, 1964	181.44

6N/10W-9Q1. Depth of well 270 ft. Records furnished by DWR and FC. Altitude about 2,596 ft.

Nov. 27, 1940	152.75	Dec. 5, 1942	150.9	Mar. 14, 1945	151.3
Apr. 24, 1941	147.2	Dec. 15, 1943	153.0	Dec. 5	150.29
Dec. 2	142.1	May 9, 1944	153.0	Nov. 26, 1946	148.96

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/10W-9Q1.--continued.

Nov. 6, 1947	148.65	Dec. 2, 1953	155.05	Oct. 30, 1957	160.9
Nov. 10, 1948	149.09	Nov. 10, 1954	156.75	Nov. 14, 1958	162.0
Nov. 15, 1950	150.79	May 17, 1955	157.23	Oct. 23, 1959	161.2
Nov. 5, 1951	151.86	Oct. 26	168.90	Nov. 22, 1960	164.5
Nov. 24, 1952	153.41	Nov. 27, 1956	159.9	Nov. 22, 1961	165.6

6N/10W-9Q2. Depth of well 320 ft. Records furnished by DWR and FC.  
Altitude about 2,598 ft.

Nov. 27, 1940	151.95	Dec. 15, 1943	151.95	Oct. 23, 1959	162.1
Apr. 24, 1941	146.4	May 9, 1944	152.0	Nov. 22, 1960	163.5
Dec. 2	141.1	Oct. 26, 1955	157.2	Nov. 22, 1961	164.3
Dec. 5, 1942	150.0	Nov. 27, 1956	158.9	Jan. 14, 1964	166.80
Sept. 23, 1943	152.3	Nov. 14, 1958	161.1		

6N/10W-10Q1. Depth of well 167 ft September 23, 1943; 35.7 ft  
January 15, 1964. Records furnished by FC. Altitude about 2,612 ft.

Sept. 23, 1943	66.5	Nov. 26, 1946	70.77	Nov. 15, 1950	75.33
Dec. 13	65.6	Nov. 6, 1947	71.57	Nov. 5, 1951	76.15
May 9, 1944	66.25	Nov. 10, 1948	73.32	Nov. 24, 1952	76.92
Mar. 14, 1945	75.9	Nov. 29, 1949	74.48	Nov. 15, 1964	(f)
Dec. 5	69.8				

6N/10W-18Q1. Depth of well 290 ft. Records furnished by WRB. Altitude  
about 2,595 ft.

Oct. 12, 1953	199	Mar. 25, 1955	200.6	Feb. 24, 1964	207.65
Oct. 12	a226	Mar. 25	a264		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/10W-19G1. Depth of well 324 ft. Records furnished by WRB. Altitude about 2,606 ft.

Nov. 24, 1953	212	Aug. 18, 1954	a241	May 16, 1956	236
Nov. 24	a223	Mar. 25, 1955	221	May 16	a255
Aug. 18, 1954	230	Mar. 25	a232	Feb. 24, 1964	222.38

6N/10W-19H1. Depth of well 395 ft. Records furnished by WRB. Altitude about 2,610 ft.

Aug. 24, 1954	333	Mar. 25, 1955	a301	May 9, 1956	a305
Aug. 24	a280	May 9, 1956	234	Feb. 24, 1964	219.92
Mar. 25, 1955	222				

6N/10W-20N1. Depth of well 285.3 ft February 24, 1964. Records furnished by DWR and FC. Altitude about 2,632 ft.

Feb. 9, 1954	195.1	Aug. 16, 1955	213.1	Mar. 5, 1957	210.90
Mar. 9	194.2	Sept. 13	214.15	Apr. 8	214.05
Apr. 6	196.05	Oct. 25	214.95	May 13	215.95
May 4	199.35	Nov. 29	211.85	June 3	217.10
June 15	202.80	Dec. 19	210.90	July 9	218.6
July 20	204.95	Jan. 11, 1956	209.55	July 31	219.57
Aug. 17	206.80	Feb. 7	208.30	Sept. 3	220.70
Sept. 14	208.40	Mar. 13	208.35	Oct. 8	220.15
Oct. 13	209.75	Apr. 3	209.68	Oct. 28	219.85
Nov. 18	207.72	May 1	212.30	Dec. 3	217.73
Dec. 7	205.3	June 6	213.75	Jan. 7, 1958	215.27
Jan. 11, 1955	203.25	July 17	216.18	Feb. 6	213.80
Feb. 8	201.50	Aug. 13	217.26	Mar. 4	212.25
Mar. 8	200.75	Sept. 11	217.80	Mar. 31	211.65
Apr. 12	204.85	Oct. 2	218.26	Apr. 22	213.38
May 11	207.15	Nov. 2	216.52	May 6	215.65
May 17	207.59	Nov. 26	216.25	June 10	219.05
June 21	210.50	Jan. 8, 1957	213.10	Feb. 24, 1964	218.68
July 19	212.05	Feb. 5	211.80		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/10W-20Pl. Depth of well 260 ft. Records furnished by DWR and FC.  
Altitude about 2,637 ft.

Sept. 11, 1940	c165.65	Mar. 5, 1946	145.20	Feb. 28, 1952	208.06
Nov. 26	164.60	Apr. 5	146.99	Mar. 28	206.95
Apr. 9, 1941	158.1	May 7	148.92	Sept. 30	218.68
May 30	c166.05	June 5	146.99	Oct. 30	218.47
July 18	c163.8	July 5	148.6	Nov. 24	215.62
Aug. 29	c164.3	Aug. 6	150.0	Dec. 31	210.05
Sept. 27	162.5	Sept. 6	150.3	Dec. 3, 1953	217.0
Jan. 1942	156.3	Oct. 7	150.2	Aug. 5, 1958	231.9
Feb. 13	155.55	Nov. 5	151.4	Sept. 1	231.6
Apr. 24	153.9	Nov. 26	150.8	Oct. 7	230.45
June 28	c157.59	Jan. 7, 1947	151.1	Nov. 5	227.8
Aug. 21	c158.2	Feb. 5	150.6	Dec. 2	223.9
Sept. 25	c158.5	Mar. 5	152.2	Jan. 12, 1959	221.7
Oct. 23	157.8	Apr. 2	153.6	Feb. 3	218.3
Nov. 21	157.3	June 4	156.0	Mar. 3	212.15
Dec. 26	156.95	Oct. 6	173.1	Apr. 7	213.05
Jan. 30, 1943	156.45	Nov. 7	163.0	May 5	214.50
Feb. 19	156.1	Dec. 4	162.8	June 2	216.55
Mar. 26	155.65	Jan. 5, 1948	161.58	July 7	219.3
May 3	154.6	Feb. 2	161.20	Aug. 4	221.30
May 29	153.1	Mar. 1	167.81	Sept. 8	223.6
June 26	152.7	Mar. 29	166.58	Oct. 6	225.2
July 22	153.2	Apr. 27	176.40	Oct. 26	224.45
Aug. 20	153.3	May 26	178.43	Nov. 9	223.9
Sept. 25	153.18	June 24	179.02	Dec. 8	221.25
Dec. 15	150.1	July 26	182.84	Jan. 5, 1960	219.2
Jan. 23, 1944	148.9	Dec. 27	195.62	Feb. 9	216.1
May 9	144.0	Nov. 21, 1949	196.15	Mar. 1	215.0
July 29	136.8	Dec. 27	193.88	Apr. 5	217.0
Mar. 14, 1945	135.04	Jan. 23, 1950	192.17	May 3	218.7
June 5	139.55	Feb. 21	192.26	May 31	221.3
Aug. 2	140.43	Sept. 26	b212.70	June 28	223.8
Sept. 7	142.49	Oct. 25	209.47	Aug. 2	226.8
Oct. 5	142.35	Nov. 29	205.06	Sept. 7	229.5
Nov. 6	141.90	Dec. 27	202.56	Oct. 4	231.2
Dec. 5	142.32	Nov. 5, 1951	216.33	Nov. 1	231.75
Jan. 3, 1946	142.78	Dec. 27	211.02	Nov. 23	230.15
Feb. 5	143.83	Jan. 30, 1952	209.09	Jan. 3, 1961	226.85

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/10W-20P1.--continued.

Feb. 7, 1961	224.2	Aug. 7, 1961	235.7	Feb. 5, 1962	230.9
Mar. 7	223.1	Sept. 5	237.5	Mar. 5	228.7
Apr. 4	224.75	Oct. 2	239.3	Apr. 3	228.9
May 1	228.5	Nov. 7	237.6	May 1	231.1
June 5	231.3	Nov. 24	236.5	June 1	233.5
July 18	234.4	Jan. 8, 1962	232.3	Feb. 24, 1964	233.42

6N/10W-22D1. Depth of well 200 ft in 1949. Records furnished by WRB.  
Altitude about 2,645 ft.

Jan. 1951	143	Mar. 1957	164	Feb. 25, 1964	168.39
Jan.	a151	Mar.	a177		

6N/10W-27B1. Depth of well 400 ft; 168.9 ft February 25, 1964. Records furnished by FC. Altitude about 2,676 ft.

Sept. 11, 1940	161.85	Dec. 26, 1946	150.69	Dec. 2, 1953	158.3
Nov. 27	161.70	Nov. 7, 1947	149.98	Nov. 8, 1954	161.97
Apr. 23, 1941	159.3	Nov. 10, 1948	150.22	May 17, 1955	c172.7
Nov. 26	152.8	Nov. 21, 1949	150.80	Oct. 25	c166.7
Dec. 15, 1943	148.1	Nov. 15, 1950	b153.06	Nov. 26, 1956	164.7
Dec. 5, 1944	152.72	Nov. 5, 1951	154.22	Feb. 25, 1964	(f)
Mar. 14, 1945	153.2				

6N/10W-27B2. Records furnished by FC. Altitude about 2,675.3 ft.

Sept. 11, 1940	162.3	Apr. 23, 1941	160.0	Dec. 15, 1943	148.4
Nov. 27	162.4	Nov. 26	153.2		

6N/10W-27B3. Depth of well 168.1 ft February 27, 1964. Records furnished by FC. Altitude about 2,678 ft.

Sept. 11, 1940	163.3	Nov. 26, 1941	154.1	Mar. 14, 1945	153.17
Nov. 27	163.2	Dec. 15, 1943	148.8	Feb. 27, 1964	(f)
Apr. 23 1941	160.9	May 9, 1944	c164.3		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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6N/10W-32E1. Depth of well 600 ft. Records furnished by FC. Altitude about 2,684 ft.

Sept. 11, 1940	100.30	May 1942	91.0	May 29, 1943	78.35
Nov. 26	101.0	June 28	91.7	June 26	81.25
Dec. 28	101.4	July 31	92.1	July 22	84.76
Jan. 31, 1941	101.65	Aug. 21	92.6	Aug. 20	88.65
Apr. 9	94.9	Sept. 25	93.1	Sept. 25	91.85
May 30	85.4	Oct. 23	93.65	Dec. 15	88.50
July 18	85.0	Nov. 21	94.2	Jan. 23, 1944	87.8
Aug. 29	84.8	Dec. 26	94.8	Mar. 14, 1945	88.34
Sept. 27	85.38	Jan. 30, 1943	94.05	Dec. 5	97.35
Nov. 26	87.3	Feb. 19	88.75	Dec. 18, 1946	109.03
Feb. 13, 1942	88.98	Mar. 26	80.3	Nov. 7, 1947	112.53
Apr. 24	90.5	May 3	74.1	Mar. 6, 1964	154.0

6N/10W-32F1. Depth of well 700 ft. Records furnished by FC. Altitude about 2,692 ft.

Sept. 11, 1940	117.35	Dec. 15, 1943	111.2	Dec. 18, 1946	112.95
Nov. 26	118.00	May 11, 1944	105.4	Nov. 7, 1947	110.52
Apr. 9, 1941	111.6	Mar. 14, 1945	101.43	Nov. 10, 1948	113.06
Nov. 26	111.55	Dec. 5	105.38	Mar. 6, 1964	136.80
Nov. 21, 1942	118.40				

6N/11W-3E1. Records furnished by DWR and WRB. Altitude about 2,491 ft.

Oct. 12, 1954	237	Nov. 18, 1957	258.0	Mar. 9, 1960	263.4
Dec. 7, 1955	234	Mar. 11, 1958	259.5	Oct. 16, 1961	287.3
Nov. 28, 1956	272.2	Mar. 19	288.0	Apr. 10, 1962	289.9
Mar. 11, 1957	247.5	Nov. 10, 1959	280.0	Oct. 29, 1963	297.1

6N/11W-3E2. Depth of well 700 ft in 1960. Records furnished by O. Altitude about 2,493 ft.

July 8, 1960	304	Feb. 12, 1962	202	Oct. 29, 1963	317.7
Sept. 22	301	Feb. 12	233		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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6N/11W-4C1. Records furnished by DWR and FC. Altitude about 2,480 ft.

Dec. 5, 1942	147.0	Nov. 28, 1949	189.41	Mar. 17, 1955	233.4
Dec. 13, 1943	151.1	Nov. 6, 1951	215.60	May 17	247.83
Mar. 13, 1945	149.1	Nov. 25, 1952	216.25	Nov. 21, 1956	248.3
Dec. 18, 1946	163.98	Dec. 3, 1953	221.1	Oct. 29, 1957	247.6
Nov. 8, 1948	184.55	Mar. 26, 1954	214.5	Nov. 14, 1958	250.1
May 25, 1949	a204.45	Nov. 16	228.9		

6N/11W-5A1. Depth of well 343.9 ft December 17, 1963. Records furnished by DWR and FC. Altitude about 2,477 ft.

Nov. 18, 1939	134.8	May 10, 1944	152.3	Oct. 27, 1959	267
Mar. 28, 1940	133.6	Dec. 7	154.1	Nov. 9	246.8
Nov. 27	138.6	Mar. 13, 1945	148.1	Nov. 28, 1960	262.2
Dec. 3, 1941	140.1	Nov. 6	162.21	Nov. 29, 1961	268.4
Dec. 5, 1942	146.95	Dec. 18, 1946	164.91	Dec. 17, 1963	279.17
Dec. 13, 1943	149.85				

6N/11W-7Z1. Depth of well 241.0 ft in 1938. Records furnished by FC. Altitude about 2,537.5 ft.

Jan. 22, 1938	152.3	Dec. 28, 1940	183.65	Feb. 13, 1942	186.85
Sept. 24	160.6	Jan. 31, 1941	183.6	Mar. 28	187.2
Nov. 19	176.3	Apr. 9	183.55	Apr. 24	187.8
Feb. 11, 1939	176.5	Apr. 24	183.7	June 28	189.17
Nov. 18	179.7	May 30	184.35	July 31	189.9
Mar. 28, 1940	180.3	July 18	184.95	Aug. 21	190.6
May 31	181.1	Aug. 29	186.55	Sept. 25	191.4
June 29	181.6	Oct. 31	187.1	Oct. 23	192.2
July 27	182.1	Nov. 24	187.1	Nov. 17	193.14
Aug. 24	182.65	Jan. 31, 1942	187.0	Dec. 26	193.8
Nov. 30	183.7				

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/11W-8E1. Depth of well 451 ft in 1924. Records furnished by FC.  
Altitude about 2,512 ft.

Nov. 17, 1942	168.93	Nov. 5, 1947	190.9	Nov. 15, 1950	208.7
Apr. 30, 1943	171.0	Nov. 8, 1948	196.7	Nov. 6, 1951	215.7
Dec. 13	172.3	May 25, 1949	202.3	Nov. 15, 1952	219.52
May 4, 1944	174.5	Nov. 28	201.10	Oct. 22, 1959	302.0
Dec. 18, 1946	184.67				

6N/11W-8R1. Depth of well 708 ft. Records furnished by FC. Altitude about 2,522 ft.

Sept. 18, 1940	169.95	May 10, 1944	182.3	Nov. 8, 1948	c213.95
Nov. 28	169.50	Dec. 4, 1945	188.9	May 25, 1949	c205.3
Nov. 25, 1941	173.1	Dec. 18, 1946	192.42	Oct. 5	c209.8
Dec. 4, 1942	178.85	Nov. 5, 1947	c198.05	Nov. 28	212.55
Dec. 13, 1943	181.85				

6N/11W-9F1. Records furnished by FC. Altitude about 2,505 ft.

Nov. 27, 1940	66.6	Dec. 4, 1945	173.6	Nov. 13, 1950	210.43
Nov. 25, 1941	158.35	Dec. 18, 1946	178.05	Nov. 6, 1951	219.80
Dec. 5, 1942	163.1	Nov. 5, 1947	186.6	Nov. 25, 1952	223.84
Dec. 13, 1943	167.3	May 25, 1949	195.9	Oct. 31, 1963	285.6
Mar. 13, 1945	167.1				

6N/11W-10D1. Depth of well 445 ft in 1915. Records furnished by D, FC, and O. Altitude about 2,508 ft.

Feb. 6, 1915	78	Dec. 2, 1941	71.0	Oct. 1963	375
Nov. 27, 1940	68.4	Dec. 5, 1942	76.2		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/11W-12M1. Depth of well 243.4 ft May 17, 1955; 207.3 ft November 19, 1963. Records furnished by FC. Altitude about 2,540 ft.

Nov. 25, 1941	171.1	Nov. 6, 1951	223.69	Apr. 1, 1954	241.17
Dec. 4, 1942	173.04	Nov. 25, 1952	232.7	May 6	241.95
Dec. 14, 1943	176.15	Mar. 17, 1953	235.1	June 15	243.8
Mar. 14, 1945	178.15	Oct. 6	241.3	July 20	244.6
Dec. 5	180.50	Oct. 19	238.13	Aug. 17	246
Dec. 26, 1946	185.07	Nov. 10	238.6	Aug. 24	246.15
Nov. 6, 1947	190.92	Dec. 3	239.1	Oct. 13	250.1
Nov. 10, 1948	197.62	Jan. 12, 1954	239.7	Nov. 10	256.5
Nov. 29, 1949	205.04	Feb. 10	240.35	May 17, 1955	(f)
Nov. 15, 1950	213.9	Mar. 4	240.75	Nov. 19, 1963	(f)

6N/11W-12Q1. Records furnished by FC. Altitude about 2,552 ft.

Nov. 25, 1941	176.0	Nov. 29, 1949	201.78	Oct. 26, 1955	232.15
Dec. 4, 1942	180.3	Nov. 15, 1950	209.69	Nov. 21, 1956	233.2
Dec. 15, 1943	179.4	Nov. 6, 1951	218.26	Oct. 30, 1957	233.9
May 9, 1944	c201.2	Nov. 25, 1952	226.30	Nov. 14, 1958	234.9
Dec. 5, 1945	177.3	Dec. 3, 1953	229.7	Oct. 22, 1959	235.7
Nov. 26, 1946	181.87	Nov. 10, 1954	231.3	Nov. 23, 1960	236.4
Nov. 6, 1947	187.92	May 17, 1955	231.77	Nov. 22, 1961	236.6
Nov. 10, 1948	194.63				

6N/11W-12Z1. Records furnished by FC and T. Altitude about 2,560 ft.

Oct. 8, 1921	112.5	Feb. 16, 1924	112.4	Nov. 4, 1925	116.4
Feb. 12, 1922	112.1	July 15	113.4	Jan. 4, 1926	116.9
Oct. 21	116.1	Nov. 14	113.5	Aug. 20	116.5
May 13, 1923	111.2	Feb. 27, 1925	114.1	Jan. 17, 1927	120.1
July 12	112.3	June 9	115.1		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/11W-18P1. Depth of well 113.3 ft December 18, 1963; 507 ft in 1930. Records furnished by FC. Altitude about 2,561 ft.

Nov. 27, 1940	202.5	Oct. 5, 1949	240.45	Nov. 6, 1951	252.39
Nov. 5, 1947	234.9	Nov. 29	238.03	Nov. 25, 1952	255.17
Nov. 8, 1948	236.8	Nov. 15, 1950	244.57	Dec. 18, 1963	(f)
May 25, 1949	b236.3				

6N/11W-18Q1. Depth of well 448 ft. Records furnished by FC. Altitude about 2,558 ft.

Sept. 17, 1940	199.15	Nov. 25, 1941	204.57	Dec. 13, 1943	v216
Nov. 27	200.40	Nov. 25	v210		

6N/11W-19E1. Depth of well 473 ft in 1954. Records furnished by D, FC, O, and WRB. Altitude about 2,583 ft.

	1929	182	Aug. 23, 1940	c223.4	Aug. 20, 1943	c236.2
Feb. 4, 1930		185.6	Nov. 29	220.9	Sept. 25	c236.4
Apr. 26		186.7	Jan. 21, 1941	219.7	Nov. 30	236.8
July 17		187.6	Apr. 9	219.4	Dec. 13	236.9
Nov. 29		185.0	Apr. 24	219.8	Jan. 22, 1944	235.6
Jan. 31, 1931		185.5	May 30	c224.0	May 1	235.2
Jan. 31		a208.5	Oct. 31	221.8	May 28	239.5
May 29, 1937		208.8	Nov. 24	225.4	Mar. 14, 1945	227.6
June 25		209.4	Dec. 6	222.5	May 8	238.4
Nov. 9		210.9	Jan. 31, 1942	222.6	Dec. 4, 1946	240.1
Jan. 22, 1938		218.4	Feb. 13	222.8	Jan. 3, 1947	243.3
May 1		211.6	Mar. 28	224.4	Feb. 13	242.4
July 16		214.6	Apr. 24	c228.0	Jan. 21, 1948	257.15
Sept. 24		217.8	Nov. 17	232.0	Aug. 26	254.0
Nov. 19		213.6	Dec. 26	231.2	Aug. 26	a284
Feb. 11, 1939		213.0	Jan. 30, 1943	230.6	May 24, 1949	257.5
Nov. 18		217.0	Feb. 19	230.2	June 28	260
Dec. 9		216.4	Mar. 26	c231.8	Nov. 15, 1950	265.19
Feb. 16, 1940		217.0	May 29	c233.7	Oct. 31, 1951	269
May 31		220.1	July 27	c235.8	Oct. 31	a290

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/11W-19E1--continued.

Jan. 14, 1952	275	Mar. 30, 1956	a325	Apr. 1, 1959	a337
Jan. 14	a310	May 11	304	June 24	a343
June 27	278	Aug. 31	a333	Dec. 22	a342
June 27	a302	Dec. 28	303	Oct. 18, 1960	a349
May 21, 1954	292.8	Jan. 4, 1957	302	Apr. 26, 1961	a349
May 21	a308	Mar. 1	300	June 7	a353
Aug. 7	298	May 3	a330	Sept. 11	321
Sept. 11	a312	June 28	a335	Oct. 23	a362
Oct. 24	a290.6	Sept. 19	a327	Feb. 1, 1962	340
Feb. 5, 1955	289	Dec. 2	306	Mar. 12	a348
May 28	a321	Jan. 8, 1958	a337	May 16	333
Aug. 27	307	Jan. 16	a335	June 11	a352
Oct. 15	a324	Jan. 27	305	Aug. 14	a353
Jan. 7, 1956	297	Feb. 24	a320		

6N/11W-19E2. Depth of well 848 ft in 1960. Records furnished by D and O.  
Altitude about 2,584 ft.

Dec. 8, 1960	328	Mar. 12, 1962	332	Dec. 11, 1962	336
Dec. 8	a352	May 16	333	Feb. 20, 1963	345
Sept. 11, 1961	a367	Oct. 11	a356	Mar. 26	331
Oct. 23	a360	Aug. 14	a370	Apr. 19	331
Feb. 1, 1962	334	Oct. 16	343		

6N/11W-19E3. Depth of well 604 ft in 1948. Records furnished by SCE and WRB. Altitude about 2,584.

Nov. 24, 1951	274.7	Feb. 12, 1955	289	May 25, 1956	a340
Nov. 24	a280.8	May 8	a328	Nov. 2	314
Nov. 31, 1953	283	June 25	305	Dec. 14	a327
Nov. 28	a310	Oct. 1	a333	Dec. 28	302
Jan. 23, 1954	280	Dec. 2	297.1	Jan. 4, 1957	a324
Feb. 20	a300	Dec. 2	a323.9	Mar. 1	300
May 27	a317	Jan. 7, 1956	298	May 3	a337
June 27	294	Mar. 16	a333	June 28	a344

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/11W-19E3--continued.

Sept. 19, 1957	312	June 13, 1958	311.2	June 24, 1959	316
Dec. 2	306	June 13	a362	June 24	a404
Mar. 27, 1958	300.0	Aug. 2	a383	Sept. 21	a404
Mar. 27	a356	Aug. 16	a385		

6N/11W-19Z1. Depth of well 413 ft in 1947. Records furnished by WRB.  
Altitude about 2,582 ft.

1953	190	1954	a220	1956	214
	a210	1955	205		a263
1954	198		a230		

6N/11W-20G2. Depth of well 694 ft in 1956. Records furnished by D, O,  
and WRB. Altitude about 2,568 ft.

Apr. 10, 1956	277	Dec. 28, 1956	a340	June 24, 1959	a440
Apr. 10	a384	Jan. 4, 1957	a340	June 7, 1961	316
Apr. 11	285	Mar. 1	a330	Oct. 23	311
Apr. 11	a383	May 3	a385	Dec. 27	301
Aug. 13	285	June 28	a395	Feb. 1, 1962	302
Aug. 17	a380	Sept. 19	a390	Mar. 12	299
Aug. 24	a410	Dec. 2	288	May 16	311
Aug. 29	a430	Jan. 3, 1958	288	June 11	318
Aug. 30	a390	Mar. 6	a355	Aug. 14	a448
Sept. 11	a375	Apr. 3	a365	Oct. 16	321
Oct. 5	a365	Apr. 18	a408	Dec. 11	314
Nov. 9	a340	May 16	a404	Feb. 20, 1963	311
Nov. 23	a330	Aug. 15	a403	Mar. 26	316
Dec. 7	a330	Feb. 12, 1959	286	Apr. 19	314
Dec. 21	a345				

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/11W-20N1. Depth of well 500 ft. Records furnished by O and WRB.  
Altitude about 2,582 ft.

Sept. 24, 1955	282	Dec. 28, 1956	284	Apr. 26, 1961	a357
Oct. 1	279	Jan. 4, 1957	284	June 7	a361
Nov. 26	280	Mar. 1	284	Sept. 11	313
Jan. 13, 1956	298	May 3	286	Oct. 27	309
Mar. 2	298	June 28	289	Feb. 11, 1962	311
Apr. 27	279	Sept. 19	a337	Mar. 12	a348
May 11	279	Dec. 2	288	May 16	313
June 1	a314	Jan. 14, 1958	287	June 11	313
June 1	280	May 9	a324	Aug. 14	a359
June 8	a315	June 28	a336	Oct. 16	316
July 6	a330	July 25	a344	Dec. 11	316
Aug. 17	282	Aug. 15	a345	Feb. 20, 1963	316
Sept. 14	285	Feb. 21, 1959	298	Mar. 26	a354
Nov. 2	285	Sept. 21	a332	Apr. 19	317
Dec. 21	284	Oct. 19, 1960	306		

6N/11W-20P1. Depth of well 400 ft in 1939; 275.0 ft November 7, 1963.  
Records furnished by FC. Altitude about 2,581 ft.

Apr. 28, 1941	209.65	Dec. 4, 1945	230.1	Dec. 14, 1952	263.2
Dec. 2	212.25	May 24, 1949	238.7	Dec. 2, 1953	275.8
Nov. 21, 1942	218.7	Oct. 5	241.35	Nov. 8, 1954	264.85
Dec. 13, 1943	223.3	Nov. 18	241.8	Oct. 26, 1955	257.4
May 8, 1944	225.95	Dec. 19, 1950	251.4	Nov. 7, 1963	(f)
Mar. 14, 1945	224.9	Dec. 6, 1951	258.0		

6N/11W-20R2. Depth of well 0 ft; formerly 300 ft. Records furnished by FC. Altitude about 2,580 ft.

Dec. 18, 1946	233.15	May 24, 1949	a241.65	Nov. 15, 1950	249.76
Nov. 5, 1947	237.35	Nov. 28	243.98	Nov. 14, 1958	294.6
Nov. 8, 1948	240.9				

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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6N/11W-21C1. Depth of well 350 ft in 1921. Records furnished by DWR.  
Altitude about 2,557 ft.

Feb. 1921	w135	Aug. 21, 1948	219	Nov. 4, 1963	300.6
Nov. 1946	215	May 26, 1949	221.2		

6N/11W-21E1. Depth of well 460 ft in 1926. Records furnished by D, FC,  
and O. Altitude about 2,570 ft.

1926	162	Dec. 13, 1943	214.25	Nov. 14, 1958	288.8
1940	195	1948	228	Oct. 26, 1959	275.4
Dec. 2, 1941	203.9	1948	245	Nov. 28, 1960	298.7
Dec. 4, 1942	210.4	May 26, 1949	232.5	Sept. 5, 1963	315.75

6N/11W-21N1. Depth of well 502 ft in 1917. Records furnished by DWR, FC,  
T, and WRB. Altitude about 2,588 ft.

1917	165	Dec. 13, 1943	229.8	May 1955	a323
Sept. 12, 1940	217.65	May 10, 1951	267	May	297
Apr. 28, 1941	c217.60	May 10	a293	Dec. 13, 1956	298.4
Dec. 2	220.15	June 1954	290	Nov. 4, 1963	p165.5
Dec. 4, 1942	225.4	June	a315		

6N/11W-25R1. Depth of well 250 ft in 1952. Records furnished by D and  
FC. Altitude about 2,666 ft.

Mar. 17, 1952	w118	Oct. 9, 1957	110.0	Dec. 6, 1963	105.57
Mar. 17	100	Nov. 28, 1960	101.0		

6N/11W-26J1. Depth of well 200 ft. Records furnished by FC. Altitude  
about 2,642 ft.

Nov. 5, 1947	143.92	Nov. 15, 1950	149.40	Nov. 25, 1952	150.22
Nov. 29, 1949	146.85	Nov. 6, 1951	148.14	Sept. 5, 1963	172.21

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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6N/11W-26R1. Depth of well 114 ft in 1940; 107.2 ft November 5, 1947; 0 ft September 5, 1963. Records furnished by FC. Altitude about 2,664 ft.

Nov. 29, 1940	114.15	Nov. 29, 1943	98.9	Dec. 18, 1946	111.29
Apr. 28, 1941	111.7	May 8, 1944	98.55	May 11, 1947	(f)
Dec. 2	97.0	Mar. 7, 1945	97.30		
Nov. 21, 1942	99.7	Dec. 5	102.4		

6N/11W-28E1. Depth of well 280 ft; 223 ft March 8, 1939; 220.3 ft May 24, 1949; 0 ft November 8, 1963. Records furnished by FC, PID, and T. Altitude about 2,606 ft.

	1920	w140	Apr. 17, 1930	191.0	Apr. 6, 1936	214.1
	1920	73	Apr. 26	191.3	Jan. 8, 1937	216.8
Oct. 18, 1927	189.13	July 17	192.3	Apr. 22	216.9	
Oct. 28	185.5	Nov. 29	193.7	May 29	225.6	
Dec. 6	184.8	Dec. 15, 1931	192.6	June 25	219.25	
Jan. 21, 1928	184.3	Apr. 7, 1932	198.8	Nov. 9	219.7	
Apr. 26	185.8	Dec. 29	202.6	Jan. 22, 1938	(f)	
July 29	187.3	Apr. 13, 1933	202.8	Feb. 26	(f)	
Nov. 17	187.5	Dec. 20	205.2	May 1	220.8	
Dec. 5	185.3	Apr. 17, 1934	206.5	May 23	221.2	
Apr. 25, 1929	188.1	Apr. 19	206.5	July 16	222.6	
June 22	189.3	Jan. 8, 1935	209.2	Aug. 13	(f)	
Dec. 28	190.7	May 2	210.4	Nov. 19	230.8	
Feb. 4, 1930	190.9	Dec. 12	212.8	May 24, 1949	(f)	

6N/11W-28N1. Records furnished by FC. Altitude about 2,625 ft.

Apr. 28, 1941	93.5	Mar. 7, 1945	92.95	May 24, 1949	96.4
Dec. 2	94.25	Nov. 5	95.9	Nov. 18	96.4
Dec. 4, 1942	94.95	Dec. 4, 1946	96.7	Dec. 13, 1950	96.4
Nov. 29, 1943	95.5	Dec. 3, 1947	94.3	Nov. 8, 1963	110.4
May 8, 1944	93.15	Dec. 14, 1948	95.1		

6N/11W-32P1. Depth of well 495 ft in 1917. Records furnished by FC and O. Altitude about 2,675 ft.

Sept. 1917	114	Oct. 24, 1924	134.5	May 12, 1926	136.5
Feb. 12, 1921	118.1	May 5, 1925	137.1	May 10, 1927	147.0
Aug. 19	119	Oct. 7	140.7	Sept. 13, 1940	178

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/11W-32P1.--Continued.

Apr. 28, 1941	166.6	Sept. 12, 1961	a272	June 11, 1962	a329
Dec. 2	168.3	Oct. 23	196	Aug. 14	198
Nov. 21, 1942	170.0	Dec. 27	199	Oct. 16	a316
Dec. 13, 1943	172.0	Feb. 1, 1962	196	Feb. 20, 1963	194
Nov. 6, 1945	175.5	Mar. 12	a234	Mar. 26	a309
Dec. 4, 1946	172.9	May 16	196	Apr. 19	265

6N/11W-32P2. Depth of well 400 ft. Records furnished by O. Altitude about 2,674 ft.

Sept. 12, 1961	272	May 16, 1962	196	Feb. 20, 1963	194
Dec. 27	199	June 11	a329	Mar. 26	a309
Feb. 1, 1962	196	Aug. 14	198	Apr. 24	208
Mar. 12	a234	Oct. 16	a316		

6N/11W-33Q1. Depth of well 295 ft. Records furnished by FC. Altitude about 2,680 ft.

1935	130	Nov. 28, 1942	134.67	Mar. 7, 1945	130.6
Apr. 28, 1941	131.9	Nov. 29, 1943	136.15	Dec. 4, 1946	136.25
Dec. 2	133.38	May 9, 1944	138.2		

6N/11W-33R1. Records furnished by FC. Altitude about 2,682 ft.

Apr. 28, 1941	119.55	May 9, 1944	b138.0	Dec. 3, 1947	121.9
Dec. 2	121.25	Mar. 7, 1945	116.45	Dec. 14, 1948	128.9
Nov. 21, 1942	122.35	Nov. 5	123.7	Nov. 28, 1952	136.3
Nov. 29, 1943	122.45	Dec. 4, 1946	117.85	Nov. 14, 1963	135.3

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/12W-9H1. Depth of well 600 ft in 1948. Records furnished by WRB.  
Altitude about 2,610 ft.

July 1, 1948	262	June 21, 1956	333.5	May 20, 1960	a345
July 1	a290	Oct. 16, 1959	339.4	Feb. 28, 1961	346.5
June 1, 1952	a309	Oct. 16	a348		
June 15, 1954	a323.9	May 20, 1960	338		

6N/12W-9H2. Depth of well 600 ft. Records furnished by WRB. Altitude about 2,610 ft.

Feb. 15, 1958	334	Oct. 16, 1959	a359	May 20, 1960	a355
Oct. 16, 1959	350	May 20, 1960	347	Feb. 28, 1961	346

6N/12W-10C1. Depth of well 244.2 ft November 17, 1942. Records furnished by FC. Altitude about 2,587.8 ft.

May 31, 1940	239.2	Apr. 23, 1941	237.5	Nov. 17, 1942	245.3
Nov. 26	238.4	Nov. 18	240.4	Dec. 1, 1943	(f)

6N/12W-13N1. Depth of well 800 ft February 12, 1960. Records furnished by O. Altitude about 2,591 ft.

Apr. 26, 1961	304	Feb. 1, 1962	309	Oct. 16, 1962	a347
June 7	a352	Mar. 12	309	Dec. 11	311
Sept. 11	311	May 16	a359	Feb. 20, 1963	313
Oct. 23	306	June 11	a364	Mar. 26	a257
Dec. 27	304	Aug. 14	a362	Mar. 19	a361

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/12W-13Q2. Records furnished by FC. Altitude about 2,576 ft.

Nov. 9, 1954	283.05	Feb. 17, 1958	304.4	May 3, 1960	302.1
Dec. 7	278.8	Mar. 4	304.9	May 31	303.1
Feb. 8, 1955	278.3	Mar. 31	300.1	June 28	304.7
Mar. 8	279.1	Apr. 22	295.3	Aug. 2	306.0
Oct. 24	310.0	May 5	295.4	Sept. 6	307.6
Nov. 28	286.0	June 10	296.8	Oct. 4	308.1
Dec. 19	298.8	July 7	298.5	Nov. 1	307.8
Jan. 11, 1956	296.05	Aug. 5	300.5	Nov. 28	307.3
Feb. 7	296.75	Sept. 2	299.9	Jan. 3, 1961	307.4
Mar. 13	286.1	Oct. 7	301.0	Feb. 7	307.1
May 1	294.9	Nov. 5	297.2	Mar. 7	308.3
Sept. 11	306.75	Dec. 2	300.3	Apr. 4	308.7
Oct. 2	299.8	Jan. 12, 1959	300.7	May 1	309.3
Nov. 5	297.8	Feb. 3	300.2	June 5	311.1
Nov. 27	294.8	Mar. 3	297.8	July 18	u315.7
Jan. 8, 1957	307.8	Apr. 7	298.3	Aug. 7	u315.0
Feb. 5	290.1	Oct. 27	300.4	Sept. 5	u316.2
Mar. 5	289.9	Nov. 9	300.0	Oct. 2	u316.4
July 31	b300.0	Dec. 8	299.9	Nov. 7	u315.8
Aug. 31	301.1	Jan. 5, 1960	300.2	Nov. 22	u315.8
Oct. 31	299.5	Feb. 9	300.3	Dec. 17, 1963	328.24
Dec. 3	302.3	Mar. 1	301.0		
Jan. 7, 1958	300.8	Apr. 5	302.2		

6N/12W-21A1. Depth of well 702 ft in 1950. Records furnished by D and WRB. Altitude about 2,670 ft.

	1950	w335	Oct.	1953	a395	July	1956	365
	1950	335	June	1955	356.9	July		a414.9
Oct.	1953	349	June		a407.0			

6N/12W-24A1. Depth of well 502 ft. Records furnished by SCE and O. Altitude about 2,580 ft.

July 11, 1956	a338	Sept. 21, 1959	a344	Dec. 22, 1959	309
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See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/12W-24A1--continued.

Oct. 19, 1960	a358	June 7, 1961	a387	Oct. 23, 1961	318
Apr. 26, 1961	a399	Sept. 11	a369	Dec. 27	311

6N/12W-24C2. Depth of well 301.5 ft July 7, 1953; 327.3 ft May 18, 1955; 321.6 ft December 12, 1963. Records furnished by D, FC, and O. Altitude about 2,587 ft.

1925	185	June 11, 1951	274.9	July 20, 1954	(f)
Dec. 6, 1927	188	July 2	275.3	Aug. 17	289.5
July 29, 1928	191	Aug. 6	276.45	Sept. 14	p298
Dec. 5	188	Sept. 5	277.7	Oct. 13	p287.5
June 22, 1929	190	Oct. 2	278.2	Dec. 7	p259
Feb. 4, 1930	190.1	Nov. 6	276.1	Dec. 14	p257.2
Nov. 29	189.5	Dec. 6	276.8	Jan. 11, 1955	260.4
June 26, 1937	235.0	May 1, 1952	275.1	Feb. 8	274.15
May 1, 1938	220.6	June 4	255.35	Mar. 8	280.3
Sept. 24	222.0	July 8	278.2	Apr. 12	c289.8
Feb. 11, 1939	234.7	Aug. 6	280.35	May 11	292.1
May 24, 1949	259.6	Sept. 8	282.95	May 18	292.28
Nov. 18	262.2	Nov. 17	283.3	June 21	(f)
Jan. 24, 1950	260.3	Feb. 17, 1953	278.1	July 19	(f)
Feb. 15	258.8	Mar. 11	278.5	Aug. 16	296.6
Apr. 19	263.4	Apr. 7	282.15	Sept. 13	297.4
May 31	265.76	May 6	283.20	Oct. 24	p297.2
June 14	266.2	June 11	284.70	Nov. 28	293.95
July 26	267.5	July 7	(f)	Dec. 19	294.20
Aug. 23	269.2	Aug. 4	(f)	Jan. 11, 1956	293.85
Sept. 13	270.75	Sept. 1	(f)	Feb. 7	295.15
Oct. 25	269.10	Oct. 6	287.5	Mar. 13	295.40
Nov. 15	267.75	Nov. 10	287.77	Apr. 3	296.20
Dec. 20	267.5	Dec. 1	275.10	May 1	297.8
Jan. 30, 1951	267.25	Jan. 13, 1954	279.0	June 6	299.1
Feb. 27	266.50	Feb. 9	273.56	July 17	301.20
Apr. 23	268.2	Mar. 9	276.25	Aug. 13	301.9
May 15	272.65	May 4	p282.55	Sept. 11	303.0

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/12W-24C2--continued.

Oct. 2, 1956	303.45	Apr. 22, 1958	304.2	Nov. 9, 1959	313.1
Nov. 5	301.10	May 6	304.6	Dec. 8	312.1
Nov. 27	300.0	June 10	304.65	Jan. 5, 1960	312.1
Jan. 8, 1957	297.7	July 7	c308.0	Feb. 9	312.5
Feb. 5	296.9	Aug. 5	308.4	Mar. 1	313.3
Mar. 5	296.9	Sept. 2	308.9	Apr. 5	314.8
Apr. 8	p257.0	Oct. 7	306.8	May 3	314.2
May 7	293.3	Nov. 5	306.4	May 31	315.6
May 13	296.2	Dec. 2	308.4	June 28	317.5
June 3	301.9	Jan. 12, 1959	308.3	Aug. 2	319.0
July 31	c310.7	Feb. 3	308.1	Sept. 6	322.2
Sept. 3	311.7	Apr. 7	307.4	Oct. 4	c325.7
Oct. 8	307.8	May 5	307.5	Nov. 1	325.9
Oct. 24	310.8	June 2	308.1	Nov. 28	325.9
Dec. 3	309.8	July 7	312.1	Jan. 3, 1961	327.4
Jan. 7, 1958	307.2	Aug. 4	312.4	Feb. 7	323.7
Feb. 17	c308.84	Sept. 8	312.8	Mar. 7	329.0
Mar. 4	307.9	Oct. 6	313.7	Apr. 4	331.0
Mar. 31	304.5	Oct. 22	313.5	Dec. 12, 1963	(f)

6N/12W-24F1. Depth of well 610 ft in 1957. Records furnished by FC and O. Altitude about 2,587 ft.

Mar. 1, 1957	a364	Feb. 6, 1958	a333	Oct. 23, 1961	a391
Apr. 11	308	Mar. 6	a333	Nov. 27	a385
Apr. 11	a380	Mar. 21	303	Feb. 1, 1962	a383
May 3	a343	July 10	a400	Mar. 12	a397
May 13	304.0	July 25	a366	May 16	338
June 3	305.1	June 24, 1959	308	June 11	a417
June 28	a343	July 28	a365	Aug. 14	348
July 9	309.9	Oct. 19, 1960	a375	Oct. 16	343
Sept. 19	a345	Apr. 26, 1961	a377	Dec. 11	339
Dec. 2	a343	June 7	a382	Feb. 20, 1963	340
Jan. 17, 1958	a338	Sept. 11	a393	Oct. 23	348.1

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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6N/12W-25N1. Depth of well 300 ft November 12, 1952. Records furnished by FC and O. Altitude about 2,650 ft.

Dec. 6, 1927	237.0	Feb. 19, 1943	277.5	Oct. 3, 1945	287.1
July 29, 1928	240.0	Mar. 26	278.4	Nov. 5	286.85
Dec. 5	239.6	Apr. 30	279.3	Dec. 3	287.7
June 22, 1929	240.0	May 29	279.8	Jan. 8, 1946	286.8
July 17, 1930	242.0	June 26	280.4	Feb. 4	286.80
Nov. 29	243.0	July 22	282.2	Mar. 6	286.8
June 26, 1937	250.4	Aug. 9	281.1	Apr. 4	287.8
Feb. 26, 1938	263.4	Aug. 14	281.2	May 7	288.06
May 2	253.6	Aug. 29	281.42	Apr. 10, 1947	289.9
Nov. 18, 1939	259.4	Sept. 6	281.62	May 15	289.95
May 31, 1940	269.6	Sept. 12	281.82	June 5	290.05
June 29	270.0	Sept. 18	281.75	July 7	290.55
July 27	270.2	Sept. 25	281.80	Sept. 11	p290.90
Aug. 24	270.6	Oct. 2	281.92	Oct. 2	p292.30
Nov. 29	271.0	Oct. 9	281.91	Nov. 12	p293.65
Dec. 28	271.1	Oct. 18	281.8	Jan. 14, 1948	p294.0
Jan. 31, 1941	271.4	Oct. 23	282.12	Feb. 25	p294.6
Apr. 9	274.9	Nov. 5	282.02	Mar. 3	294.9
May 30	272.3	Nov. 14	281.86	June 9	p282.0
June 18	273.7	Nov. 30	281.73	July 15	p283.2
Aug. 29	274.4	Dec. 13	281.86	Aug. 11	p283.7
Sept. 27	275.0	Jan. 1, 1944	281.71	Oct. 14	p285.0
Oct. 31	274.8	Jan. 22	281.55	Nov. 9	p289.3
Nov. 24	274.8	Jan. 24	281.68	May 24, 1949	295.45
Dec. 6	275.0	Feb. 10	281.8	July 6	296.6
Feb. 13, 1942	274.4	May 1	281.75	Aug. 2	297.5
Apr. 24	275.5	Jan. 9, 1945	283.95	Sept. 21	298.3
May 29	276.6	Feb. 7	284.24	Oct. 19	297.9
June 28	277.4	Feb. 27	283.8	Nov. 16	298.0
July 31	278.2	May 8	p285.3	Dec. 28	297.8
Sept. 25	279.9	May 21	286.1	Feb. 15, 1950	297.0
Oct. 23	278.9	June 7	285.1	Nov. 28	p297
Nov. 17	278.5	June 29	285.8	Nov. 12, 1952	p297
Dec. 26	278.1	July 31	286.4		
Jan. 30, 1943	277.8	Aug. 31	286.8		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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6N/13W-12J1. Depth of well 250 ft in 1927; 454 ft in August, 1946. Records furnished by DWR and FC. Altitude about 2,608 ft.

May 31, 1940	233.7	Nov. 6, 1945	243.15	May 18, 1955	277.28
Nov. 26	234.7	Dec. 12, 1946	247.4	Nov. 21, 1956	290.1
Apr. 23, 1941	235.85	Dec. 9, 1947	247.5	Oct. 29, 1957	324.7
Nov. 18	240.4	Dec. 13, 1948	248.6	Nov. 13, 1958	275.0
Nov. 24, 1942	c244.55	Nov. 22, 1949	249.8	Oct. 21, 1959	276.6
Dec. 1, 1943	239.75	Nov. 29, 1950	251.3	Nov. 21, 1960	279.2
May 1, 1944	240.8	Dec. 11, 1951	253.0	July 24, 1963	(m)
Mar. 27, 1945	242.2	Nov. 21, 1952	254.7		

6N/13W-23Z1. Depth of well 60.0 ft June 25, 1947. Records furnished by FC. Altitude about 2,930 ft.

June 25, 1947	31.5	Dec. 1, 1954	19.2	Nov. 10, 1958	27.8
Dec. 14, 1949	34.3	Oct. 20, 1955	21.6	Oct. 20, 1959	20.0
May 1, 1953	14.3	Nov. 19, 1956	24.40	Nov. 18, 1960	23.1
Dec. 9	18.8	Oct. 28, 1957	25.95		

7N/11W-2H2. Records furnished by FC and T. Altitude about 2,374 ft.

May 29, 1921	20.0	Jan. 10, 1924	0	Oct. 6, 1925	11.7
Aug. 21	26.9	Mar. 7	14.4	Jan. 5, 1926	5.6
Oct. 1	17.6	July 8	c40.2	Mar. 17	10.9
Feb. 7, 1922	(q)	Oct. 23	14.0	May 13	c36.9
Oct. 30	6.6	Nov. 13	6.2	Aug. 20	65.5
Feb. 26, 1923	2.7	Feb. 10, 1925	4.9	Jan. 18, 1927	7.5
May 13	25.0	May 6	43.8	Oct. 27	29.7
Oct. 10	19.0	Aug. 12	54.6	Oct. 28, 1963	194.43

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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7N/11W-4A4. Depth of well 300 ft in 1947. Records furnished by WRB.  
Altitude about 2,357 ft.

1947 a90	1950 a107	1953 a150
1948 a96	1951 a114	1954 a160
1949 a102	1952 a140	1955 a185

7N/11W-6A1. Depth of well 84.8 ft October 18, 1951; 130 ft June 2, 1952.  
Altitude about 2,351 ft.

Oct. 18, 1951	59.77	Sept. 2, 1952	69.38	Mar. 1, 1960	77.81
Nov. 14,	59.86	Oct. 3	69.14	Nov. 11	78.32
Dec. 22	60.12	Nov. 5	68.43	Feb. 28, 1961	78.80
Jan. 14, 1952	60.41	Aug. 9, 1956	72.51	Oct. 24	79.70
Feb. 14	60.55	Oct. 23	73.02	Feb. 28, 1962	80.15
Mar. 4	c60.75	Mar. 8, 1957	73.01	Nov. 10	80.98
Apr. 4	60.78	Nov. 14	73.12	Mar. 12, 1963	82.11
May 5	60.99	Mar. 11, 1958	74.74	Nov. 1	83.63
June 2	64.5	Nov. 6	75.71	Mar. 2, 1964	85.18
July 2	67.72	Mar. 9, 1959	76.00	Sept. 18	89.94
Aug. 4	68.28	Dec. 2	77.03		

7N/11W-8P1. Depth of well 300 ft. Records furnished by FC. Altitude about 2,382 ft.

Apr. 14, 1933	44.6	Nov. 18, 1939	53.2	Dec. 7, 1944	61.6
Apr. 20, 1934	50.6	Mar. 14, 1940	53.4	Mar. 2, 1945	61.3
May 2, 1935	c53.1	Dec. 5	53.7	Nov. 7	64.06
Dec. 2	44.9	Apr. 10, 1941	54.4	Nov. 25, 1946	66.39
Apr. 16, 1936	c53.9	Dec. 3	55.8	Nov. 5, 1947	70.09
Jan. 9, 1937	46.4	Apr. 22, 1942	58.7	Nov. 9, 1948	73.01
Apr. 22	c56.2	Nov. 25	57.9	Nov. 22, 1949	74.92
Nov. 10	c53.5	Apr. 20, 1943	60.2	Nov. 14, 1950	76.75
May 28, 1938	59.0	Dec. 16	60.05	Nov. 6, 1951	79.47
Mar. 10, 1939	51.3	May 11, 1944	62.65	Dec. 2, 1952	81.79

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/11W-9P1. Depth of well 200 ft. Records furnished by FC. Altitude about 2,386 ft.

Dec. 16, 1953	116.25	Oct. 29, 1957	127.2	Nov. 21, 1961	133.8
Nov. 9, 1954	120.6	Nov. 14, 1958	128.0	Nov. 14, 1963	136.93
Oct. 25, 1955	123.7	Oct. 22, 1959	130.1		
Nov. 21, 1956	127.9	Nov. 22, 1960	131.9		

7N/11W-10N1. Depth of well 169.0 ft March 6, 1951; 185 ft October 24, 1961. Records furnished by DWR and FC. Altitude about 2,394 ft.

Sept. 6, 1947	114.0	Mar. 3, 1952	128.32	Mar. 17, 1955	146.8
Mar. 6, 1951	c127.41	Apr. 3	c130.29	Aug. 9, 1956	151.96
Apr. 10	c130.18	May 5	c133.69	Oct. 23	c158.92
May 8	c131.29	June 2	133.30	Mar. 8, 1957	149.68
June 28	c134.96	July 2	c138.91	Nov. 14	153.61
July 25	135.02	Aug. 4	c144.40	Mar. 11, 1958	150.30
Aug. 22	133.26	Sept. 2	138.10	Nov. 6	155.63
Sept. 18	133.48	Oct. 3	138.45	Mar. 9, 1959	c169.69
Oct. 15	133.21	Nov. 5	137.62	Dec. 2	163.20
Nov. 14	131.66	Jan. 5, 1953	134.44	Mar. 1, 1960	153.93
Dec. 19	129.75	Mar. 13	135.37	Feb. 28, 1961	c185
Jan. 14, 1952	129.09	Mar. 26, 1954	140.5	Oct. 24	(f)
Feb. 14	128.10	May 4	c148.72		

7N/11W-10Z4. Records furnished by DWR. Altitude about 2,396 ft.

May 29, 1921	19.0	Oct. 10, 1923	21.7	Aug. 12, 1925	34.2
Oct. 2	18.5	Apr. 12, 1924	24.8	Jan. 5, 1926	6.5
Feb. 8, 1922	1.7	July 8	33.2	Mar. 17	11.0
Oct. 30	8.0	Oct. 23	13.7	Aug. 23	47.0
Feb. 26, 1923	2.9	Nov. 13	8.0	Jan. 18, 1927	9.7
May 13	20.1	Feb. 10, 1925	6.1		
July 12	27.9	May 6	26.6		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/11W-14N1. Depth of well 600 ft. Records furnished by WRB. Altitude about 2,427 ft.

1947	a146	1951	a166	1955	a186
1948	a151	1952	a171	1956	a192
1949	a156	1953	a176	Nov. 22, 1963	t214
1950	a161	1954	a181		

7N/11W-14P1. Depth of well 600 ft February 20, 1949. Records furnished by WRB. Altitude about 2,425 ft.

1949	a154	1952	a169	1955	a184
1950	a159	1953	a174	1956	a190
1951	a164	1954	a179	Nov. 21, 1963	t227

7N/11W-15A1. Depth of well 620 ft in 1950. Records furnished by D and WRB. Altitude about 2,410 ft.

May 15, 1950	w142	1955	185	Nov. 19, 1963	u223.89
1954	165	1956	215		

7N/11W-16B1. Depth of well 119 ft December 3, 1953; .3 ft November 26, 1963. Records furnished by DWR and FC. Altitude about 2,392 ft.

Dec. 6, 1943	82.2	Nov. 5, 1947	96.95	Dec. 2, 1952	118.62
May 11, 1944	83.6	Nov. 9, 1948	103.28	Dec. 3, 1953	m119
Mar. 2, 1945	82.35	Nov. 22, 1949	106.16	Nov. 21, 1956	(r)
Dec. 10	89.98	Nov. 14, 1950	111.00	Nov. 26, 1963	(f)
Nov. 26, 1946	91.87	Nov. 6, 1951	115.01		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
7N/11W-17E1. Depth of well 510 ft. Altitude about 2,396 ft.					
Oct. 24, 1961	202.73	Mar. 12, 1963	193.44	Mar. 2, 1964	193.06
Feb. 28, 1962	176.15	Nov. 5	195.28	Sept. 18	203.70
Nov. 10	192.03	Dec. 3	199.12		
7N/11W-18G1. Depth of well 508 ft. Records furnished by <u>WRB</u> . Altitude about 2,391 ft.					
June 1954	192	Sept. 1955	a238	Dec. 3, 1963	180.68
July	a217	Dec. 1956	232		
7N/11W-19N1. Depth of well 367.5 ft October 19, 1954. Records furnished by <u>DWR</u> and <u>FC</u> . Altitude about 2,430 ft.					
Dec. 14, 1943	112.3	Nov. 5, 1947	143.4	Nov. 6, 1951	169.07
Mar. 13, 1945	112.4	Nov. 9, 1948	149.37	Nov. 25, 1952	170.28
Dec. 4	123.45	Nov. 23, 1949	155.60	Oct. 19, 1954	182.36
Dec. 17, 1946	128.68	Nov. 13, 1950	162.07	Dec. 10, 1963	214.33
7N/11W-19Q1. Depth of well 401 ft. Altitude about 2,418 ft.					
Oct. 17, 1951	177.09	Nov. 4, 1958	188.85	Feb. 28, 1962	195.84
Nov. 14	171.66	Mar. 9, 1959	188.54	Nov. 8	208.82
Mar. 4, 1952	c157.38	Dec. 2	196.00	Mar. 12, 1963	c208.90
Oct. 23, 1956	194.12	Mar. 1, 1960	178.72	Nov. 5	208.41
Mar. 8, 1957	183.41	Nov. 11	198.75	Dec. 10	204.85
Nov. 12	187.20	Feb. 27, 1961	200.37	Mar. 2, 1964	204.37
Mar. 10, 1958	179.13	Oct. 24	207.37	Sept. 19	213.35

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/11W-23L1. Depth of well 330 ft January 15, 1920. Records furnished by FC and T. Altitude about 2,438 ft.

Jan. 15, 1920	30.0	Dec. 14, 1943	134.7	Nov. 15, 1950	153.85
Sept. 18, 1940	122.2	Dec. 6, 1945	124.30	Nov. 6, 1951	158.79
Nov. 27	122.4	Nov. 26, 1946	128.04	Nov. 25, 1952	162.10
Apr. 24, 1941	122.6	Nov. 6, 1947	135.93	Dec. 19, 1963	187.0
Dec. 2	124.3	Nov. 9, 1948	141.86		
Dec. 5, 1942	130.1	Nov. 23, 1949	143.69		

7N/11W-23L2. Depth of well 38.8 ft August 21, 1921; 31.3 ft May 13, 1926; 8.0 ft December 19, 1963. Records furnished by T. Altitude about 2,439 ft.

Jan. 13, 1920	37.8	May 23, 1922	36.6	May 13, 1926	(f)
May 29, 1921	35.9	Oct. 23, 1924	36.5	Dec. 19, 1963	(f)
Aug. 21	m38.8	May 6, 1925	35.8		
Oct. 2	m38.8	Oct. 6	36.6		

7N/11W-27F1. Depth of well 400 ft. Records furnished by FC. Altitude about 2,452 ft.

Nov. 27, 1940	113.7	Feb. 5, 1947	137.83	Nov. 6, 1951	192.80
Dec. 2, 1941	115.8	Nov. 5	160.4	Nov. 25, 1952	193.79
Dec. 5, 1942	122.15	Nov. 9, 1948	162.8	Dec. 30, 1963	(t)
Dec. 13, 1943	126.3	Nov. 13, 1950	180.8		

7N/11W-28E1. Depth of well 449.1 ft May 17, 1955. Records furnished by DWR and FC. Altitude about 2,440 ft.

Dec. 14, 1943	111.95	Nov. 9, 1948	161.84	Nov. 25, 1952	192.30
Dec. 6, 1945	130.50	Nov. 23, 1949	171.23	Dec. 3, 1953	200.7
Dec. 17, 1946	134.76	Nov. 13, 1950	180.50	Nov. 9, 1954	209.0
Nov. 5, 1947	159.1	Nov. 6, 1951	193.35	May 17, 1955	262.70

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/11W-28E1--continued.

Oct. 25, 1955	218.4	Nov. 14, 1958	224.8	Nov. 21, 1961	242.4
Nov. 12, 1956	232.7	Oct. 22, 1959	235.7		
Oct. 29, 1957	224.0	Nov. 23, 1960	236.1		

7N/11W-28L1. Depth of well 178 ft October 25, 1955. Records furnished by DWR and FC. Altitude about 2,448 ft.

Nov. 10, 1937	95.65	Apr. 21, 1943	107.8	Nov. 6, 1951	163.60
May 24, 1938	97.6	Dec. 14	111.0	Nov. 25, 1952	161.66
Mar. 10, 1939	94.3	May 11, 1944	111.5	Oct. 25, 1955	167.8
Nov. 18	91.5	Dec. 7	111.15	Nov. 21, 1956	167.3
Mar. 13, 1940	97.82	Mar. 13, 1945	108.2	Oct. 29, 1957	177.6
Nov. 27	101.0	Dec. 17, 1946	122.18	Nov. 13, 1958	150.8
Apr. 10, 1941	99.9	Nov. 5, 1947	142.5	Oct. 22, 1959	157.1
Apr. 24	100.2	Nov. 8, 1948	149.52	Nov. 22, 1960	153.1
Dec. 3	103.1	Nov. 23, 1949	155.36	Nov. 21, 1961	148.5
Apr. 22, 1942	104.8	Nov. 13, 1950	161.92	Dec. 31, 1963	140.32

7N/11W-33N1. Altitude about 2,473 ft.

Nov. 17, 1951	214.59	Mar. 10, 1958	234.80	Feb. 27, 1961	258.24
Oct. 21, 1954	232.09	Nov. 4	250.20	Feb. 28, 1962	260.12
Oct. 15, 1956	243.50	Mar. 12, 1959	244.72	Nov. 5, 1963	279.92
Mar. 8, 1957	237.55	Dec. 9	251.98	Jan. 9, 1964	276.71
Nov. 12	243.17	Nov. 16, 1960	262.06	Mar. 2,	280.40

7N/12W-4H1. Depth of well 0 ft September 9, 1963. Records furnished by FC. Altitude about 2,313 ft.

Dec. 5, 1941	3.2	May 2, 1944	3.15	Dec. 9, 1946	(f)
Dec. 26, 1942	3.55	Mar. 12, 1945	3.15		
Dec. 4, 1943	8.3	Nov. 7	(f)		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-4P1. Depth of well 16.0 ft October 17, 1951; 3.5 ft September 5, 1963. Records furnished by FC. Altitude about 2,314 ft.

Dec. 9, 1939	(q)	Aug. 21, 1942	8.55	May 2, 1944	5.35
July 25, 1940	5.25	Sept. 25	8.75	July 27	7.2
Nov. 29	(q)	Oct. 23	8.9	Mar. 1, 1945	6.17
Apr. 23, 1941	(q)	Nov. 17	8.6	Oct. 3	9.1
Aug. 29	5.74	Dec. 26	7.55	Nov. 6	8.95
Sept. 26	5.55	Jan. 30, 1943	5.05	Apr. 5, 1946	7.95
Oct. 31	2.22	Feb. 19	4.25	Oct. 17	13.15
Dec. 5	(q)	Mar. 26	5.65	Oct. 17, 1951	14.3
Mar. 28, 1942	(q)	Apr. 30	6.57	Nov. 15	14.25
Apr. 24	(q)	May 29	7.25	Mar. 3, 1952	13.58
May 29	2.55	June 25	7.80	Sept. 5, 1963	(f)
June 27	6.5	Dec. 8	8.4		
July 31	8.25	Jan. 22, 1944	7.9		

7N/12W-4P2. Depth of well 20.6 ft October 17, 1951; 22.9 ft August 16, 1955; 16.3 ft January 8, 1957; 18.1 ft April 22, 1958; 0 ft September 5, 1963. Records furnished by FC. Altitude about 2,314 ft.

Dec. 9, 1939	(q)	July 31, 1942	7.00	Sept. 24, 1943	8.4
July 25, 1940	6.35	Aug. 21	7.85	Dec. 8	5.5
Nov. 29	(q)	Sept. 25	9.91	Jan. 22, 1944	5.1
Apr. 23, 1941	(q)	Oct. 23	9.25	May 2	2.7
Aug. 24	6.2	Nov. 17	8.7	July 27	10.4
Sept. 26	6.48	Dec. 26	6.7	Mar. 1, 1945	(q)
Oct. 31	5.68	Jan. 30, 1943	4.4	May 8	6.9
Dec. 5	5	Feb. 19	(q)	June 29	12.30
Jan. 31, 1942	(q)	Mar. 26	(q)	Oct. 3	16.2
Feb.	(q)	Apr. 30	(q)	Nov. 6	11.9
Mar. 28	(q)	May 29	4.87	Jan. 7, 1946	5.65
Apr. 24	4.67	June 25	5.78	Apr. 5	4.80
May 29	5.10	July 23	6.4	July 3	16.15
June 27	5.65	Aug. 21	7.7	Dec. 9	9.45

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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7N/12W-4P2--continued.

Feb. 27, 1947	6.25	June 11, 1953	18.4	Feb. 7, 1956	21.2
Apr. 10	6.60	Aug. 31	18.4	Mar. 13	21.7
Nov. 19	8.95	Jan. 13, 1954	17.9	Apr. 3	21.9
Jan. 21, 1948	7.6	Feb. 9	18.4	May 1	21.25
Mar. 2	6.8	Mar. 9	17.9	June 6	22.1
July 14	11.3	Apr. 6	17.7	July 17	(f)
Oct. 15	13.4	May 4	17.9	Aug. 13	(f)
Dec. 7	10.75	June 15	(f)	Sept. 11	(f)
Mar. 8, 1949	8.20	July 20	(f)	Oct. 2	(f)
July 13	a19.7	Aug. 17	21.9	Nov. 5	(f)
Sept. 21	(f)	Sept. 14	22.1	Nov. 27	(f)
Nov. 23	15.6	Oct. 13	22.1	Feb. 5, 1957	2.2
Jan. 25, 1950	13.4	Nov. 9	21.9	Mar. 5	4.4
Apr. 18	14.6	Dec. 7	21.9	Apr. 8	6.3
July 26	18.8	Jan. 11, 1955	20.4	May 13	8.4
Oct. 25	15.4	Feb. 8	19.45	June 3	9.7
Nov. 27	16.95	Mar. 8	18.7	July 9	18.85
Jan. 30, 1951	13.55	Apr. 12	19.25	July 31	17.5
Apr. 18	14.3	May 11	20.22	Sept. 3	17.5
June 11	17.6	June 21	21.20	Oct. 8	17.5
Sept. 17	19.3	July 19	22.1	Oct. 28	9.17
Oct. 17	(f)	Aug. 16	(f)	Dec. 3	21.3
Dec. 3	19.4	Sept. 13	(f)	Jan. 7, 1958	21.3
May 1, 1952	5.9	Oct. 24	(f)	Feb. 17	9.4
Aug. 19	8.7	Nov. 29	(f)	Mar. 4	17.5
Nov. 12	13.2	Dec. 19	(f)	Mar. 31	0
Mar. 11, 1953	15.6	Jan. 11, 1956	21.8	Apr. 22	(s)

7N/12W-6D1. Depth of well 22.7 ft September 10, 1963. Records furnished by FC. Altitude about 2,330 ft.

Dec. 6, 1943	14.15	Nov. 26, 1947	27.61	Sept. 10, 1963	(f)
May 1, 1944	18.25	Dec. 7, 1948	30.6		
Nov. 6, 1945	22.1	Nov. 23, 1949	(f)		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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7N/12W-6M1. Depth of well 24.5 ft November 26, 1947; 12.0 ft September 10, 1963. Records furnished by FC. Altitude about 2,329 ft.

Dec. 6, 1943	12.45	Mar. 12, 1945	6.58	Nov. 26, 1947	(f)
May 1, 1944	17.7	Dec. 11, 1946	17.5	Sept. 10, 1963	(f)

7N/12W-8D1. Depth of well 268 ft. Records furnished by DWR and FC. Altitude about 2,316 ft.

Dec. 6, 1943	2.2	July 7, 1959	82.1	Jan. 3, 1961	72.3
May 2, 1944	5.55	Aug. 4	84.1	Feb. 7	69.2
Mar. 1, 1945	(q)	Sept. 8	83.7	Mar. 7	69.8
Nov. 6	12.5	Oct. 6	81.15	Apr. 4	74.7
Dec. 9, 1946	7.85	Oct. 21	81.5	May 1	80.8
Nov. 26, 1947	16.02	Nov. 9	76.8	June 5	88.0
Dec. 7, 1948	15.4	Dec. 8	71.1	July 18	94.7
Nov. 23, 1949	24.9	Jan. 5, 1960	67.1	Aug. 7	94.4
Dec. 4, 1951	30.45	Feb. 9	62.8	Sept. 5	93.8
Nov. 13, 1952	32.35	Mar. 1	61.3	Oct. 2	92.6
Nov. 5, 1958	72.3	Apr. 5	69.2	Nov. 7	87.8
Dec. 2	66.3	May 3	74.3	Jan. 8, 1962	88.0
Jan. 12, 1959	61.9	May 31	79.5	Feb. 5	73.9
Feb. 3,	59.6	June 28	83.6	Mar. 5	72.4
Mar. 3	57.3	Aug. 2	86.7	Apr. 3	71.7
Apr. 7	65.6	Sept. 6	88.1	May 1	81.0
May 5	69.6	Oct. 4	87.8	June 1	88.8
June 2	77.2	Nov. 1	83.7	Sept. 10, 1963	102.05
		Nov. 21	81.3		

7N/12W-9E1. Depth of well 1,104 ft August 19, 1958. Records furnished by IAC. Altitude about 2,318 ft.

Sept. 16, 1958	74	Dec. 2, 1958	69	Mar. 3, 1959	64
Oct. 1	73	Jan. 7, 1959	65	Apr. 6	a103
Nov. 7	69	Feb. 6	61	May 1	75

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-9E1--continued.

June 8, 1959	a93	Jan. 20, 1961	71	Jan. 3, 1963	82
July 14	a100	Feb. 17	71	Feb. 5	101
Sept. 3	a117	Mar. 24	73	Mar. 4	96
Oct. 6	58	May 26	104	Apr. 10	98
Jan. 6, 1960	63	Dec. 4	80	May 1	108
Apr. 1	67	Jan. 3, 1962	80	June 4	100
May 6	72	June 2	a133	July 2	133
June 10	a111	Aug. 13	a126	Aug. 5	a139
July 6	a116	Oct. 9	a130		
Dec. 2	71	Dec. 4	89		

7N/12W-9E2. Depth of well 503 ft November 17, 1959. Records furnished by D and LAC. Altitude about 2,318 ft.

Nov. 17, 1959	w107	Dec. 4, 1961	108	Apr. 10, 1963	v90
Oct. 15	a163	Jan. 2, 1962	72	May 1	v96
Dec. 2, 1960	v80	June 7	v80	June 4	v101
Jan. 20, 1961	v80	Oct. 11	a v163	July 2	v120
Feb. 17	70	Dec. 4	a v152	Aug. 6	v127
Mar. 24	70	Jan. 3, 1963	v95	May 12, 1964	a t115.46
May 26	a121	Feb. 5	a v138		
Sept. 29	a146	Mar. 4	v94		

7N/12W-10N1. Depth of well 600 ft April 1, 1952. Records furnished by D and LAC. Altitude 2,337.9 ft.

July 7, 1952	b110	Feb. 3, 1958	108	Nov. 7, 1958	a228
July 7	a210	Feb. 28	95	Dec. 2	121
Nov. 1, 1957	145	Mar. 14	a195	Jan. 7, 1959	92
Nov. 18	a209	Mar. 31	a192	Feb. 5	a193
Dec. 3	a199	Apr. 30	a215	Mar. 3	a223
Dec. 16	a194	May 30	a222	Apr. 6	a229
Jan. 2, 1958	a201	Sept. 3	a237	May 1	a238
Jan. 15	a190	Oct. 1	a228	June 2	a208

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-10N1.--continued.

Sept. 5, 1959	a233	Mar. 24, 1961	v102	Jan. 3, 1963	v126
Oct. 6	a234	May 26	v120	Feb. 5	a205
May 6, 1960	a205	Dec. 4	v129	Mar. 4	v130
June 10	a219	Jan. 2, 1962	v105	Apr. 10	a v236
July 6	a223	June 4	v213	May 1	v143
Dec. 2	a v181	Aug. 13	v208	June 4	a v246
Jan. 20, 1961	a v187	Oct. 9	a m163	July 2	v173
Feb. 17	v112	Dec. 4	v113	Aug. 3	a v247

7N/12W-10P2. Depth of well 1,220 ft May 9, 1957. Records furnished by LAC. Altitude about 2,334 ft.

July 29, 1957	110	Jan. 7, 1959	85	Mar. 24, 1961	a v140
Nov. 1	101	Feb. 5	a121	Feb. 26	a v143
Nov. 18	103	Mar. 3	a143	Dec. 1	a v135
Dec. 3	94	Apr. 6	a142	Jan. 2, 1962	v134
Dec. 16	98	May 1	a144	June 4	a v159
Jan. 2, 1958	93	June 8	a165	Oct. 8	a v164
Jan. 15	96	July 14	132	Dec. 4	v115
Feb. 3	88	Aug. 4	a170	Jan. 3, 1963	a v157
Feb. 28	86	Sept. 3	a174	Feb. 4	a v160
Mar. 14	77	Oct. 6	a186	Mar. 4	v155
Mar. 31	87	Nov. 6	119	Apr. 10	a v170
Apr. 30	a132	Apr. 1, 1960	a165	May 1	v166
May 30	a144	May 6	a163	June 4	a v195
Sept. 3	a141	June 10	a168	July 2	a v183
Oct. 1	a157	July 6	a195	Aug. 5	a v196
Nov. 7	a156	Jan. 20, 1961	v107		
Dec. 2	95	Feb. 17	a v150		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-11K1. Depth of well 1,206 ft in March, 1958. Records furnished by D and IAC. Altitude about 2,350 ft.

Sept. 3, 1958	a211	Oct. 6, 1959	123	Dec. 5, 1961	v113
Oct. 1	a209	Nov. 6	142	Jan. 2, 1962	v96
Nov. 7	119	Jan. 6, 1960	100	June 1	v113
Dec. 2	108	Apr. 1	104	Oct. 9	v110
Jan. 7, 1959	98	May 6	110	Dec. 3	v110
Mar. 3	100	June 10	a102	Jan. 3, 1963	v124
Apr. 6	a190	July 6	a v191	Feb. 5	v126
May 1	a185	Dec. 2	v107	Mar. 4	v125
June 8	a149	Jan. 20, 1961	v107	Apr. 10	v125
July 14	a219	Feb. 17	v107	May 1	v120
Aug. 4	a225	Mar. 24	v115	June 3	v128
Sept. 3	a228	May 26	v119	May 12, 1964	131.13

7N/12W-11M2. Depth of well 600 ft November 17, 1959. Records furnished by IAC. Altitude about 2,338 ft.

June 10, 1960	a162	Dec. 6, 1961	v115	Apr. 10, 1963	a v194
July 6	v139	Jan. 2, 1962	v111	May 1	a v178
Dec. 2	v94	June 1	v100	June 3	v125
Jan. 20, 1961	v134	Aug. 9	a v200	July 2	a v195
Jan. 17	a v135	Oct. 9	v135	Aug. 5	a v228
Mar. 24	v109	Dec. 3	a v177	May 11, 1964	119.01
May 26	s v177	Jan. 3, 1963	v125		
Sept. 29	a v178	Feb. 5	v122		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-12D1. Depth of well 62.7 ft September 19, 1963. Altitude about 2,350 ft.

Apr. 10, 1951	52.29	Dec. 22, 1951	51.48	Oct. 3, 1952	58.02
May 8	53.84	Jan. 14, 1952	50.94	Nov. 5	56.18
June 28,	55.68	Feb. 14	50.47	Jan. 5, 1953	53.43
July 25	56.86	Mar. 3	50.58	May 12	53.80
Aug. 22	56.74	Apr. 3	51.06	May 4, 1954	60.84
Sept. 18	57.74	May 5	55.57	Aug. 10, 1956	(f)
Oct. 15	56.28	July 2	57.13	Sept. 19, 1963	(f)
Nov. 9	53.47	Aug. 4	57.68		
Nov. 14	52.99	Sept. 2	59.53		

7N/12W-12P3. Records furnished by WRB. Altitude about 2,365 ft.

1954	123.0	1956	119.0	Sept. 24, 1963	137.67
1955	132.0	1956	137.0		

7N/12W-13F1. Depth of well 552 ft in March, 1948. Altitude about 2,382 ft.

Mar. 11, 1958	125.96	Nov. 11, 1960	142.20	Mar. 12, 1963	150.47
Nov. 6	134.80	Feb. 28, 1961	142.10	Sept. 25	154.69
Mar. 9, 1959	132.28	Oct. 24	149.87	Nov. 5	152.47
Dec. 9	136.74	Feb. 28, 1962	141.15	Mar. 2, 1964	151.77
Mar. 1, 1960	134.85	Nov. 8	149.95	Sept. 18	163.30

7N/12W-13M2. Depth of well 426 ft in 1951. Records furnished by IAC. Altitude about 2,395 ft.

June 1, 1962	158	Aug. 14, 1962	165	Oct. 9, 1962	155
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See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-13M2--continued.

Dec.	3, 1962	155	Mar.	4, 1963	165	June	3, 1963	167
Jan.	3, 1963	155	Apr.	11	165	July	2	173
Feb.	6	165	May	1	165	Aug.	5	176

7N/12W-15F1. Records furnished by FC and O. Altitude about 2,348 ft.

	1924	(q)	Oct.	15, 1948	62.75	Dec.	1, 1953	82.30
	1934	(q)	Dec.	7	53.4	Jan.	13, 1954	81.0
Oct.	28, 1942	26.7	Mar.	8, 1949	47.7	Feb.	9	78.25
Dec.	8, 1943	31.8	July	13	70.25	Mar.	9	78.50
May	2, 1944	41.25	Sept.	21	72.30	Apr.	6	78.50
Mar.	1, 1945	29.45	Jan.	24, 1950	54.40	May	4	92.90
June	29	45.85	Apr.	18	62.9	June	15	97.40
Oct.	3	49.4	July	26	78.0	July	20	102.1
Nov.	6	40.45	Oct.	25	72.6	Aug.	17	102.1
Jan.	7, 1946	34.00	Nov.	15	70.7	Sept.	14	100.45
Apr.	5	37.82	Jan.	31, 1951	63.4	Oct.	13	97.50
July	3	54.55	Feb.	21	62.7	Nov.	9	91.50
Oct.	17	48.0	Apr.	19	67.4	Dec.	7	85.25
Dec.	9	40.2	June	11	77.1	Jan.	11, 1955	82.1
Dec.	27	37.55	July	2	78.7	Feb.	8	83.85
Apr.	10, 1947	36.35	Aug.	6	79.55	Mar.	8	85.70
July	7	58.05	Sept.	5	84.24	Apr.	12	91.6
Aug.	14	61.75	Nov.	24	81.25	May	11	93.8
Sept.	11	62.3	May	2, 1952	73.95	May	18	97.39
Oct.	2	62.5	June	4	74.85	June	21	99.4
Nov.	19	51.8	Aug.	1	77.25	July	19	99.7
Dec.	9	48.8	Oct.	1	80.15	Aug.	16	99.4
Jan.	21, 1948	46.0	Nov.	12	78.98	Sept.	13	106.6
Mar.	3	44.65	Mar.	11, 1953	72.30	Oct.	24	99.1
July	14	60.25	Aug.	31	96.70	Nov.	29	91.8

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-15F1--continued.

Dec. 19, 1955	90.6	Mar. 31, 1958	94.9	June 28, 1960	127.8
Jan. 11, 1956	88.4	Apr. 22	102.7	Aug. 2	129.6
Feb. 7	86.45	May 6	108.2	Sept. 6	127.9
Mar. 13	87.55	June 10	113.3	Oct. 4	126.0
Apr. 3	91.10	July 7	124.2	Nov. 1	120.7
May 1	96.65	Aug. 5	121.3	Nov. 22	116.7
June 6	109.2	Sept. 2	121.1	Jan. 3, 1961	112.2
July 17	114.5	Oct. 7	114.1	Feb. 7	111.8
Aug. 13	113.6	Dec. 2	105.3	Mar. 7	114.3
Sept. 11	113.0	Jan. 12, 1959	100.0	Apr. 4	118.1
Oct. 2	109.35	Feb. 3	98.4	May 1	116.5
Nov. 5	99.60	Mar. 3	101.8	June 5	124.7
Nov. 27	98.0	Apr. 7	106.3	July 18	136.0
Jan. 8, 1957	92.6	May 5	113.5	Aug. 7	135.0
Feb. 5	91.2	June 2	118.2	Sept. 5	130.0
Mar. 5	91.5	July 7	125.5	Oct. 2	126.0
Apr. 8	97.2	Aug. 4	127.5	Nov. 7	120.6
May 13	105.5	Sept. 8	126.3	Nov. 21	120.0
June 3	106.0	Oct. 6	126.25	Jan. 8, 1962	110.1
July 9	121.06	Oct. 21	126.2	Feb. 5	110.1
July 31	118.2	Nov. 9	115.6	Mar. 5	118.1
Sept. 3	114.8	Dec. 8	109.6	Apr. 3	120.7
Oct. 8	115.3	Jan. 5, 1960	104.5	May 1	123.6
Oct. 28	103.85	Feb. 9	102.7	June 1	131.3
Dec. 3	102.2	Mar. 1	101.3	Oct. 1, 1963	136.40
Jan. 7, 1958	102.1	Apr. 5	113.9		
Feb. 17	98.35	May 3	116.1		
Mar. 4	98.6	May 31	121.0		

7N/12W-15F2. Depth of well 600 ft in 1943. Records furnished by FC and IAC. Altitude about 2,355 ft.

Sept. 23, 1943	56.4	May 2, 1944	c62.3	Nov. 6, 1945	54.0
Dec. 8	c46.6	Feb. 28, 1945	42.9	Dec. 9, 1947	a82.7

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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7N/12W-15F2--continued.

Dec. 7, 1948	a89.5	Aug. 6, 1957	127	Oct. 24, 1961	127.42
Nov. 29, 1949	a90.4	Nov. 12	108.99	Nov. 21	122.2
Dec. 15, 1950	73.1	Mar. 10, 1958	118.58	Feb. 28, 1962	115.24
Dec. 18, 1951	78.4	Mar. 9, 1959	121.00	Nov. 8	130.78
Nov. 18, 1952	76.2	Oct. 26	124.4	Mar. 12, 1963	129.82
Dec. 16, 1953	87.45	Dec. 2	118.76	Oct. 1	140.81
Oct. 20, 1954	a141.60	Mar. 1, 1960	108.52	Nov. 7	132.03
Oct. 24	106.8	Nov. 28	121.7	Mar. 2, 1964	128.74
Mar. 8, 1957	102.03	Feb. 28, 1961	120.78	Sept. 18	153.15

7N/12W-15R1. Depth of well 700 ft in 1950. Records furnished by LAC.  
Altitude about 2,381 ft.

Aug. 7, 1957	a214	Feb. 5, 1959	138	May 26, 1961a	v250
Nov. 1	160	Mar. 4	161	Dec. 5	v163
Nov. 18	a208	Apr. 6	a217	Jan. 2, 1962	v166
Dec. 2	a206	May 1	a236	June 4	v145
Dec. 16	161	June 8	a208	Aug. 9	a v233
Jan. 2, 1958	156	July 15	a232	Oct. 9	a v238
Jan. 15	157	Aug. 4	a232	Dec. 3	v140
Feb. 28	a203	Sept. 3	a254	Jan. 3, 1963	v166
Mar. 14	144	Oct. 6	a250	Feb. 4	v173
Mar. 31	138	Jan. 6, 1960	174	Mar. 4	a v245
Apr. 30	a199	Apr. 1	180	Apr. 11	a v241
May 30	a208	May 6	a241	May 1	v187
Sept. 3	208	June 10	a252	June 3	a v265
Oct. 1	200	July 6	a245	July 2	a v264
Nov. 7	160	Jan. 20, 1961	v171	Aug. 5	a v264
Dec. 2	a197	Feb. 17	v175		
Jan. 7, 1959	146	Mar. 24	v180		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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7N/12W-15R2. Depth of well 670 ft in 1953. Records furnished by LAC.  
Altitude 2,385.6 ft.

Nov. 1, 1957	163	Sept. 3, 1958	a255	Aug. 9, 1962	a v210
Nov. 18	a210	Oct. 1	a235	Oct. 9	a v272
Dec. 2	170	Nov. 7	155	Dec. 3	a v200
Dec. 16	163	Jan. 7, 1959	a202	Jan. 3, 1963	v165
Jan. 2, 1958	a210	Feb. 5	a212	Feb. 4	v176
Jan. 15	a205	Oct. 21	196	Mar. 4	a v230
Feb. 3	a242	Oct. 21	a236	Apr. 11	a v230
Feb. 28	a204	Apr. 1, 1960	116	May 1	v195
Mar. 14	142	July 6	a256	June 3	a v230
Mar. 31	146	Dec. 5, 1961	v160	July 2	a v263
Apr. 30	166	Jan. 2, 1962	a v205	Aug. 5	a v262
May 30	184	June 4	a v243		

7N/12W-15R3. Depth of well 1,227 ft in 1958. Records furnished by LAC.  
Altitude about 2,375 ft.

Sept. 3, 1958	170	Jan. 6, 1960	244	June 1, 1962	a v260
Oct. 1	178	Apr. 1	a220	Aug. 13	v242
Nov. 7	a190	May 6	a250	Oct. 9	v220
Dec. 2	a145	June 10	a230	Dec. 4	v235
Jan. 7, 1959	a160	July 6	a275	Jan. 3, 1963	v220
Feb. 5	a143	Dec. 2	v212	Feb. 6	v210
Mar. 3	a165	Jan. 20, 1961	v150	Mar. 4	v212
Apr. 6	a197	Feb. 17	a v245	Apr. 11	v210
May 1	a144	Mar. 24	a v225	May 1	a v270
June 9	a145	May 26	a v285	June 4	a v272
Sept. 3	a270	Dec. 5	v240	July 2	a v275
Oct. 6	230	Jan. 2, 1962	v238	Aug. 3	a v275

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-19R1. Depth of well 400 ft in 1947. Records furnished by FC, IAC, and WRB. Altitude about 2,386 ft.

	1940	95	Aug. 9, 1962	150	Apr. 10, 1963	v154
Nov. 7, 1951	96.0		Oct. 9	146	May 1	v154
	1953	128	Dec. 4	153	June 4	v156
Sept. 26, 1961	150		Jan. 2, 1963	154	July 2	v156
Jan. 2, 1962	150		Feb. 5	v154	Aug. 5	a v176
Jun. 4	175		Mar. 4	v154	May 12, 1964	154.62

7N/12W-21C1. Depth of well 670 ft in 1955. Records furnished by IAC. Altitude about 2,358 ft.

Aug. 20, 1957	a266	Nov. 7, 1958	130	Feb. 7, 1961	111
Nov. 1,	116	Dec. 2	121	Mar. 24	a245
Nov. 18	119	Jan. 7, 1959	111	May 26	115
Dec. 3	116	Feb. 5	123	Dec. 4	125
Dec. 16	112	Mar. 3	125	Jan. 2, 1962	125
Jan. 2, 1958	109	Apr. 6	134	June 4	139
Jan. 15	108	May 1	119	Aug. 10	a196
Feb. 3	109	July 15	a260	Oct. 9	135
Feb. 28	101	Oct. 22	140	Dec. 3	140
Mar. 14	109	May 6, 1960	a251	Jan. 3, 1963	132
Mar. 31	108	June 10	144	Feb. 4	130
Apr. 30	115	July 6	a233	Mar. 4	135
May 30	a276	Dec. 2	110	Apr. 11	132
Sept. 3	a267	Jan. 20, 1961	111	May 1	135

7N/12W-21C2. Depth of well 637 ft in 1955; 604.0 ft April 24, 1959. Records furnished by D and IAC. Altitude about 2,357 ft.

Nov. 16, 1955	130	Dec. 3, 1957	115	Feb. 28, 1958	99
Nov.	a238	Dec. 16	106	Mar. 14	114
Aug. 7, 1957	a201	Jan. 2, 1958	110	Mar. 31	121
Nov. 1	116	Jan. 5	108	Apr. 30	a170
Nov. 18	a166	Feb. 3	109	May 30	138

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-21C2--continued.

Sept. 3, 1958	a194	Oct. 6, 1959	a216	Jan. 2, 1962	a v220
Oct. 1	a192	Nov. 9	a239	June 4	a v221
Nov. 7	a197	Jan. 6, 1960	108	Aug. 10	a v211
Dec. 2	a168	Apr. 1	a212	Oct. 9	a v217
Jan. 7, 1959	a163	May 6	a210	Dec. 3	a v220
Feb. 5	a174	June 10	a228	Jan. 3, 1963	a v218
Mar. 3	a179	July 6	a225	Feb. 4	a v234
Apr. 6	a190	Dec. 2	v164	Mar. 4	a v230
May 1	120	Jan. 20, 1961	a v210	Apr. 10	a v230
June 8	a165	Feb. 17	a v206	May 1	a v245
July 10	165	Mar. 24	a v214	June 4	a v244
Aug. 4	a223	May 26	v160	July 2	a v250
Sept. 4	a224	Dec. 4	a v219	Aug. 5	235

7N/12W-22B1. Depth of well 602 ft in 1941; 575 ft in 1953; 547 ft in 1959. Records furnished by LAC and FC. Altitude 2,377.0 ft.

Oct. 1941	61	Mar. 31, 1958	a163	May 1, 1959	155
Oct. 75		Apr. 30	a187	June 9	a157
Nov. 1, 1957	148	May 30	a197	July 14	192
Nov. 18	a182	Sept. 3	a196	June 4, 1962	181
Dec. 3	a182	Oct. 1	153	Aug. 14	a197
Dec. 16	a176	Nov. 7	a180	Oct. 8	a185
Jan. 2, 1958	a173	Dec. 2	154	Dec. 3	a188
Jan. 15	a177	Jan. 7, 1959	a129	Jan. 3, 1963	a185
Feb. 3	a187	Feb. 5	145	June 4	173
Feb. 28	148	Mar. 3	162	May 12, 1964	182.20
Mar. 14	a163	Apr. 6	164		

7N/12W-22B2. Depth of well 552 ft in 1947; 558.0 ft May 20, 1959. Records furnished by LAC. Altitude about 2,375 ft.

Nov. 1, 1957	a170	Jan. 15, 1958	a171	Mar. 31, 1958	a162
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See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-22B2--continued.

July 14, 1959	188	Dec. 3, 1962	a215	Apr. 11, 1963	a214
June 4, 1962	183	Jan. 3, 1963	180	Aug. 6	a215
Oct. 8	a186	Mar. 4	a213		

7N/12W-22K1. Depth of well 400 ft in 1961. Records furnished by FC.  
Altitude about 2,407 ft.

Apr. 14, 1961	170.2	July 18, 1961	175.0	Oct. 1, 1963	184.52
May 1	169.6	Aug. 7	173.7		
June 5	171.2	Sept. 5	175.4		

7N/12W-22R1. Depth of well 250 ft. Records furnished by FC.  
Altitude about 2,412 ft.

Oct. 28, 1942	88.2	Mar. 3, 1949	110.65	Nov. 15, 1950	125.8
Dec. 8, 1943	90.8	Apr. 12	111.2	Dec. 20	124.2
May 4, 1944	89.6	May 26	115.7	Feb. 27, 1951	123.2
Feb. 27, 1945	94.2	June 8	116.85	Apr. 23	125.7
Nov. 8	99.5	July 13	118.2	May 15	128.65
Dec. 9, 1946	103.1	Feb. 21	112.6	June 11	129
Dec. 10, 1947	108.45	Oct. 19	122.5	July 2	129.5
Feb. 25, 1948	106.3	Nov. 16	119.15	Aug. 6	c133.7
Mar. 3	105.9	Dec. 28	121.75	Sept. 5	134.6
Apr. 30	106.05	Jan. 24, 1950	116.90	May 19, 1952	132.85
June 9	110.9	Feb. 15	115.3	June 4	133.6
July 15	111.2	Apr. 18	120.25	July 8	137.5
Aug. 12	113.3	May 31	122.65	Aug. 6	138.3
Sept. 10	114.9	June 14	123.85	Oct. 1	140.0
Oct. 15	116.4	July 25	124.45	Nov. 12	138.2
Nov. 19	114.1	Aug. 23	126.5	Oct. 21, 1954	147.82
Dec. 7	113.2	Sept. 13	127.2		
Feb. 2, 1949	111.45	Oct. 25	126.4		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-22R2. Depth of well 390 ft. Records furnished by FC. Altitude about 2,411 ft.

Feb. 17, 1953	133.85	Jan. 11, 1956	152.1	Oct. 7, 1958	162.6
Apr. 7	134.58	Feb. 7	151.3	Nov. 5	162.1
May 6	137.97	Mar. 13	149.45	Dec. 2	161.1
Aug. 4	143.10	Apr. 3	149.55	Jan. 12, 1959	159.9
Aug. 31	147.27	May 1	150.35	Feb. 3	159.2
Oct. 6	143.60	June 6	153.55	Mar. 3	159.4
Nov. 10	139.90	July 17	157.1	Apr. 7	161.3
Dec. 1	141.75	Aug. 13	157.3	May 5	162.8
Jan. 13, 1954	140.2	Sept. 11	156.8	July 7	166.8
Feb. 9	136.65	Oct. 2	156.0	Aug. 4	167.7
Mar. 9	138.85	Nov. 27	153.6	Sept. 8	168.7
Apr. 6	136.70	Jan. 8, 1957	152.6	Oct. 6	168.9
June 15	145.3	Feb. 5	152.15	Oct. 22	169.1
July 20	147.4	Mar. 5	151.3	Dec. 8	165.9
Aug. 17	147.5	Apr. 8	154.2	Jan. 5, 1960	165.2
Sept. 14	146.9	May 13	155.5	Feb. 9	163.0
Nov. 9	146.65	July 9	160.26	Mar. 1	162.6
Dec. 7	143.35	Sept. 3	160.05	Apr. 5	166.5
Jan. 11, 1955	142.1	Oct. 8	160.2	May 3	166.7
Feb. 8	141.9	Oct. 28	157.64	May 31	168.5
Mar. 8	141.75	Dec. 3	157.60	June 28	170.9
Apr. 12	145.0	Jan. 7, 1958	156.7	Aug. 2	169.7
May 11	146.6	Feb. 17	156.1	Sept. 6	172.7
May 18	147.48	Mar. 4	155.5	Oct. 4	172.7
June 21	149.15	Mar. 31	154.3	Nov. 1	172.3
July 19	151.30	Apr. 22	156.3	Nov. 22	171.2
Aug. 16	152.18	May 6	157.1	Jan. 3, 1961	169.3
Sept. 13	152.25	June 10	159.55	Feb. 7	168.9
Oct. 24	151.6	July 7	182.5	Mar. 7	170.8
Nov. 29	152.30	Aug. 5	162.7	Oct. 1, 1963	186.8
Dec. 19	152.30	Sept. 2	163.1		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-25M1. Depth of well 236.5 ft August 28, 1963. Altitude about 2,455 ft.

Oct. 17, 1951	178.44	Dec. 2, 1959	210.03	Nov. 8, 1962	223.81
Nov. 14	179.98	Mar. 1, 1960	209.60	Mar. 12, 1963	224.08
Mar. 4, 1952	176.64	Nov. 11	214.60	Aug. 28	(f)
Nov. 18, 1957	203.09	Feb. 27, 1961	214.76	Nov. 5	227.94
Nov. 6, 1958	200.75	Oct. 24	219.32	Mar. 2, 1964	227.96
Mar. 9, 1959	205.60	Feb. 28, 1962	219.14	Sept. 19	232.55

7N/12W-26K1. Depth of well 600 ft in 1947. Records furnished by IAC. Altitude 2,457.8 ft.

Nov. 1, 1957	200	Feb. 5, 1959	a219	Oct. 9, 1962	v225
Jan. 15, 1958	201	Mar. 3	a215	Dec. 3	v226
Feb. 3	200	Apr. 6	213	Jan. 3, 1963	v226
Feb. 28	194	May 1	188	Feb. 6	v226
Mar. 31	201	June 9	a195	Mar. 4	v226
Apr. 30	201	July 14	216	Apr. 11	v227
May 30	200	Sept. 29, 1961	v214	May 1	v227
Sept. 3	199	Dec. 4	v215	June 3	v227
Oct. 1	205	Jan. 2, 1962	v216	July 2	v229
Nov. 7	186	June 1	v225	Aug. 5	v232
Jan. 7, 1959	189	Aug. 19	v225	Aug. 29	(m)

7N/12W-26K2. Depth of well 456.0 ft in 1959. Records furnished by IAC and SCE. Altitude 2,459.1 ft.

June 2, 1959	156	Apr. 10, 1962	130	Aug. 29, 1963	249.97
July 10	211	Aug. 14	a220		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-27H2. Depth of well 700 ft. Records furnished by IAC. Altitude about 2,441 ft.

July 14, 1959	205.4	Jan. 20, 1961	v208	Jan. 2, 1963	a v230
Aug. 4	a v213	Mar. 24	v190	Feb. 4	a v230
Sept. 4	206	May 26	v212	Mar. 4	a v230
Oct. 6	a212	Sept. 26	a v230	Apr. 11	v219
Nov. 9	v205	Dec. 4	v211	May 1	a v232
Jan. 6, 1960	v240	Jan. 2, 1962	v215	June 3	a v250
Apr. 1	235	June 1	a v229	July 2	a v245
July 6	a v240	Oct. 9	a v244	Aug. 5	a v241
Dec. 2	v206	Dec. 3	v220		

7N/12W-27J4. Depth of well 1,102 ft in 1956. Records furnished by IAC. Altitude about 2,448 ft.

Aug. 1, 1957	a252	Mar. 3, 1959	a250	May 26, 1961	v212
Nov. 1	203	Apr. 6	a245	Sept. 5	a v204
Nov. 18	a245	May 1	211	Dec. 4	v175
Dec. 3	a244	June 8	a205	Jan. 2, 1962	v212
Dec. 12	203	July 14	a248	June 1	a v272
Jan. 2, 1958	196	Aug. 4	a263	Aug. 14	a v287
Jan. 15	a236	Sept. 4	a219	Oct. 9	a v207
Feb. 3	194	Oct. 6	a217	Dec. 3	a v272
Feb. 28	192	Oct. 22	240	Jan. 2, 1963	a v272
Mar. 14	189	Jan. 6, 1960	a250	Feb. 4	a v266
Mar. 31	197	Apr. 1	a214	Mar. 4	a v266
Apr. 30	a238	May 6	a212	Apr. 11	a v267
May 30	a259	June 10	a275	May 1	a v269
Sept. 3	a257	July 6	a245	June 3	a v277
Oct. 1	a251	Dec. 2	v182	July 2	a v287
Nov. 7	a217	Jan. 20, 1961	v166	Aug. 5	a v288
Dec. 2	197	Feb. 17	v197		
Jan. 7, 1959	206	Mar. 24	v190		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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7N/12W-27J5. Depth of well 700 ft in 1953; 651.5 ft April 8, 1959.  
Records furnished by LAC. Altitude about 2,449 ft.

Aug. 1, 1957	a295	Jan. 7, 1959	200	Mar. 24, 1961	v214
Nov. 1	196	Mar. 3	a263	May 26	a v295
Nov. 18	a280	Apr. 6	222	Dec. 4	v214
Dec. 3	a257	May 1	209	Jan. 2, 1962	a v296
Dec. 17	203	June 8	a233	June 1	v242
Jan. 2, 1958	199	July 14	237	Aug. 13	a v238
Jan. 15	208	Aug. 4	a298	Oct. 9	a v291
Feb. 3	199	Sept. 4	a303	Dec. 3	a v263
Feb. 28	189	Oct. 6	a302	Jan. 2, 1963	v242
Mar. 14	200	Nov. 9	a298	Feb. 4	v245
Mar. 31	a251	Jan. 6, 1960	223	Mar. 4	v240
Apr. 30	a276	Apr. 4	a292	Apr. 11	a v299
May 30	a284	May 6	a285	May 1	v243
Sept. 3	a254	June 10	a315	June 3	v252
Oct. 1	a273	July 6	a312	July 2	a v303
Nov. 7	184	Dec. 2	v209	Aug. 5	a v303
Dec. 2	a248	Jan. 20, 1961	v216		

7N/12W-27R1. Depth of well 316 ft in 1948. Records furnished by FC and WRB. Altitude about 2,476 ft.

	1948	a185		1953	a199	Dec. 9, 1963	b t243.21
Nov. 7, 1951		187.25	Oct. 21, 1954	206.1			
Feb. 1, 1952		185.23	1956	a209			

7N/12W-28P1. Depth of well 407 ft in 1947. Records furnished by FC and WRB. Altitude about 2,447 ft.

	1947	138	Mar. 8, 1957	186.81	Nov. 11, 1960	205.80
Nov. 7, 1951		148	Nov. 12	194.58	Oct. 24, 1961	212.33
	1953	163.1	Mar. 11, 1958	190.24	Feb. 28, 1962	208.58
Oct. 21, 1954		181.89	Nov. 6	199.17	Nov. 8	216.76
	1956	176	Dec. 2, 1959	203.10	Mar. 12, 1963	214.65
Oct. 15		193.01	Mar. 1, 1960	200.00	Nov. 5	220.92

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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7N/12W-29F1. Depth of well 500 ft. Records furnished by FC.  
Altitude about 2,449 ft.

Dec. 9, 1939	111.3	Dec. 4, 1943	122.45	Nov. 22, 1949	157.70
Nov. 24, 1940	112.5	Feb. 27, 1945	124.07	Nov. 29, 1950	161.0
Apr. 23, 1941	112.1	Nov. 6	142.0	Dec. 11, 1951	166.4
Nov. 18	113.75	Dec. 12, 1946	134.7	Nov. 18, 1952	168.1
Nov. 17, 1942	121.0	Dec. 9, 1947	138.62	Dec. 19, 1963	233.97

7N/12W-31B1. Depth of well 600 ft. Records furnished by FC and WRB.  
Altitude about 2,443 ft.

Aug. 27, 1955	196	Sept. 11, 1957	199.0	July 18, 1963	221.19
July 12, 1956	192	Nov. 21, 1960	206.9		

7N/12W-32J1. Depth of well 153 ft November 17, 1939; 153 ft April 10, 1941; 1.8 ft August 22, 1963. Records furnished by FC and T. Altitude about 2,488 ft.

Oct. 4, 1921	115.1	May 13, 1926	118.5	Apr. 19, 1934	137.1
Feb. 8, 1922	114.3	Aug. 25	120.3	Jan. 8, 1935	138.0
May 21	114.3	Oct. 15	120.6	May 1	138.1
Oct. 26	115.6	Jan. 20, 1927	119.8	Dec. 13	140.0
May 13, 1923	115.4	May 9	120.5	Apr. 16, 1936	140.1
July 11	115.8	Oct. 26	123.0	Jan. 8, 1937	142.2
May 8, 1924	115.5	Apr. 26, 1928	123.6	Apr. 22	142.2
July 16	116.8	Nov. 17	125.4	Nov. 9,	145.0
Oct. 22	117.5	Sept. 25, 1929	124.9	May 23, 1938	145.1
Nov. 15	117.4	Dec. 28	127.8	Mar. 8, 1939	146.5
Feb. 19, 1925	117.0	Apr. 17, 1930	127.7	Nov. 17	149.4
May 5	117.1	Dec. 15, 1931	129.5	Mar. 13, 1940	148.7
June 8	117.6	Apr. 7, 1932	132.61	Nov. 26	(f)
Aug. 12	117.4	Dec. 29	134.7	Apr. 10, 1941	151.3
Oct. 6	118.5	Apr. 13, 1933	134.3	Aug. 22, 1963	(f)
Dec. 29	118.2	Dec. 20	136.1		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/12W-32R1. Depth of well 202 ft; 200 ft December 1, 1943. Records furnished by FC. Altitude about 2,522 ft.

Nov. 9, 1937	172.3	Feb. 16, 1940	178.7	Dec. 2, 1941	182.4
May 23, 1938	172.9	Mar. 13	177.1	Nov. 17, 1942	185.7
Mar. 8, 1939	174.9	Nov. 29	180.01	Apr. 20, 1943	190.2
Nov. 17	177.09	Apr. 10, 1941	180.1	Dec. 1	(f)

7N/12W-32R2. Depth of well 437 ft in 1950. Records furnished by WRB. Altitude about 2,523 ft.

Dec. 12, 1951	222.4	1953	a244	1956	a269
1953	235	1956	255		

7N/12W-33R1. Depth of well 622 ft in 1951. Records furnished by D and DWR. Altitude about 2,520 ft.

Jan. 30, 1951	216	Oct. 25, 1957	257.9	Oct. 21, 1959	268.0
Nov. 21, 1956	253.3	Oct. 13, 1958	262.5	Nov. 20, 1961	277.3

7N/12W-34E1. Depth of well 555 ft. Records furnished by FC and WRB. Altitude about 2,493 ft.

Dec. 3, 1941	155.8	Dec. 9, 1947	180.2	1955	225
Dec. 5, 1944	165.6	Dec. 13, 1948	185.8		
1947	190	Nov. 22, 1949	219.2		

7N/12W-34H1. Depth of well 172.2 ft March 3, 1939; 110.1 ft August 26, 1963. Records furnished by FC. Altitude about 2,501 ft.

Oct. 4, 1921	122.8	Feb. 8, 1922	120.9	May 21, 1922	121.7
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See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
7N/12W-34E1.--Continued.					
Oct. 22, 1922	124.3	Nov. 17, 1939	162.7	June 25, 1943	171.9
May 13, 1923	122.7	Dec. 9	162.6	July 22	172.3
July 11	123.7	Feb. 16, 1940	162.4	Aug. 21	173.0
July 16, 1924	124.6	Apr. 21	162.7	Sept. 24	173.6
Oct. 22	126.2	May 31	163.1	Nov. 30	174.3
Nov. 14	125.3	June 29	163.5	Jan. 22, 1944	174.1
Feb. 19, 1925	125.8	July 27	164.1	May 1	174.8
May 5	124.7	Aug. 24	164.5	July 27	175.7
June 8	125.1	Nov. 29	165.5	Dec. 5	177.5
Aug. 12	125.9	Dec. 28	165.4	Jan. 9, 1945	177.6
Oct. 6	126.4	Jan. 31, 1941	165.3	Feb. 7	177.7
Dec. 29	126.1	Apr. 9	165.0	Feb. 27	177.7
May 12, 1926	125.9	Apr. 10	164.1	May 8	178.0
Aug. 25	132.6	Apr. 23	165.0	June 7	178.5
Oct. 15	127.7	May 30	165.4	June 29	178.9
Jan. 20, 1927	129.2	July 18	166.2	July 31	179.5
May 9	127.7	Aug. 29	166.9	Aug. 31	180.3
Oct. 26	129.9	Sept. 26	167.3	Oct. 3	181.0
Apr. 26, 1928	130.0	Oct. 31	167.6	Nov. 8	181.3
Nov. 17	133.3	Nov. 24	167.5	Dec. 3	181.5
Apr. 25, 1929	132.6	Dec. 2	166.7	Jan. 7, 1946	181.5
Dec. 28	139.0	Jan. 3, 1942	167.4	Feb. 4	180.8
Apr. 17, 1930	136.2	Jan. 31	167.4	Mar. 6	181.5
Dec. 16, 1931	m140	Feb. 13	167.3	Apr. 4	182.5
Dec. 29, 1932	145.1	Mar. 28	167.9	May 7	181.9
Apr. 13, 1933	144.7	Apr. 21	166.8	June 5	182.4
Dec. 20	147.1	Apr. 24	168.3	July 3	182.9
Apr. 19, 1934	147.0	May 29	168.3	Aug. 2	183.5
Jan. 8, 1935	149.5	June 27	168.1	Sept. 5	184.5
May 1	149.1	July 31	169.1	Oct. 17	185.3
Dec. 13	151.9	Sept. 25	170.3	Nov. 1	185.5
Apr. 15, 1936	151.8	Oct. 23	170.9	Dec. 4	185.5
Jan. 8, 1937	154.6	Nov. 17	171.3	Jan. 2, 1947	185.6
Apr. 22	154.6	Dec. 26	171.6	Feb. 13	185.5
Nov. 9	157.5	Jan. 30, 1943	172.0	Mar. 5	185.5
May 23, 1938	157.6	Feb. 19	171.7	Apr. 10	185.6
Mar. 8, 1939	159.9	Apr. 26	171.4	May 15	m182
Nov. 17	162.8	May 29	170.4	Aug. 26, 1963	(f)

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/13W-11C1. Depth of well 500 ft; 45.4 ft August 5, 1963. Records furnished by FC. Altitude about 2,354 ft.

Mar. 12, 1945	23.1	Aug. 31, 1945	36.97	Nov. 6, 1945	30.25
June 7	33.73	Oct. 2	36.25	Dec. 3	28.45
June 29	35.02	Oct. 9	34.40	Jan. 7, 1946	26.20
July 24	36.1	Oct. 16	32.80	Feb. 4	27
July 31	36.75	Oct. 20	33.00	Aug. 5, 1963	45.1

7N/13W-11D1. Depth of well 8.4 ft August 5, 1963. Records furnished by FC and DWR. Altitude about 2,356 ft.

Oct. 27, 1942	3.7	Aug. 31, 1953	6.98	Nov. 14, 1958	7.5
Dec. 6, 1943	3.5	Dec. 1	6.50	Nov. 28	6.7
May 1, 1944	2.0	Mar. 26, 1954	6.2	Mar. 19, 1959	7.4
Mar. 5, 1945	3.00	Nov. 15	6.54	Oct. 21	7.2
Nov. 6	4.05	Mar. 17, 1955	6.5	Nov. 9	7.4
Dec. 12, 1946	4.75	May 18	6.07	Mar. 7, 1960	7.6
Dec. 9, 1947	4.90	Mar. 8, 1956	5.8	Oct. 24	6.7
Dec. 8, 1948	4.85	Nov. 20	5.7	Nov. 21	6.9
Nov. 23, 1949	5.75	Nov. 21	5.9	Apr. 3, 1961	7.2
Nov. 28, 1950	6.4	Mar. 8, 1957	5.5	Oct. 18	8.7
Dec. 6, 1951	6.95	Oct. 29	7.00	Nov. 21	8.4
Nov. 13, 1952	7.05	Nov. 12	5.2	Apr. 9, 1962	8.2
June 10, 1953	6.63	Mar. 12, 1958	4.7	Aug. 5, 1963	7.1

7N/13W-11D2. Depth of well 450 ft. Records furnished by FC. Altitude about 2,358 ft.

May 8, 1945	88.2	Aug. 31, 1945	95.0	Nov. 14, 1945	48.38
June 29	92.5	Oct. 2	85.9	Jan. 8, 1946	36.50
July 24	95.3	Nov. 8	49.1	Feb. 4	35.05

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/13W-11D3. Depth of well 60 ft. Records furnished by FC. Altitude about 2,358 ft.

July 24, 1945	b47.4	Dec. 9, 1947	38.3	Oct. 14, 1948	51.2
Aug. 31	b47.87	Jan. 20, 1948	34.15	Dec. 8	39.4
Oct. 2	b45.7	Mar. 3	33.7	Mar. 9, 1949	35.2
Nov. 14	33.7	July 14	b50.8	July 13	38.6

7N/13W-11M1. Depth of well 250 ft in 1951; 5.8 ft August 6, 1963. Altitude about 2,354 ft.

Nov. 17, 1939	14.0	Dec. 5, 1941	18.8	July 23, 1943	13.2
Feb. 16, 1940	11.4	Jan. 31, 1942	15.50	Aug. 29	14.5
Mar. 13	11.6	Mar. 28	14.35	Sept. 24	13.4
May 31	18.0	Apr. 21	16.4	Dec. 1	12.95
June 29	17.9	May 29	14.48	Jan. 22, 1944	12.6
Aug. 24	21.6	July 31	15.35	May 2	10.95
Nov. 26	15.8	Aug. 21	15.85	Dec. 5	11.80
Dec. 28	14.1	Nov. 24	13.15	Jan. 8, 1945	11.35
Jan. 31, 1941	14.2	Dec. 26	12.5	Feb. 7	10.92
Apr. 9	13.0	Jan. 30, 1943	12.5	Mar. 5	10.47
May 30	20.9	Feb. 19	11.8	May 8	c33.1
July 18	20.8	Mar. 26	11.2	Dec. 19, 1950	37.4
Aug. 29	20.8	Apr. 20	10.8	Dec. 5, 1951	15.41
Sept. 27	20.0	Apr. 30	11.5	Dec. 18	40.4
Oct. 31	15.4	May 28	12.6	Nov. 13, 1952	16.45
Dec. 2	b18.4	June 25	12.9	Aug. 6, 1963	(f)

7N/13W-14E1. Depth of well 930 ft September 20, 1957. Records furnished by DWR and O. Altitude about 2,350 ft.

Oct. 20, 1957	118.2	Mar. 19, 1959	82.8	Oct. 18, 1961	159.8
Mar. 11, 1958	103.5	Mar. 7, 1960	124.0	Feb. 14, 1962	128
Nov. 28	124.0	Oct. 24	170.0	Nov. 7	157.4

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/13W-14E2. Depth of well 570 ft. Records furnished by DWR and O.  
Altitude about 2,350 ft.

Apr. 12, 1960	151.9	Oct. 17, 1961	167.4	Apr. 9, 1962	149.7
Apr. 7, 1961	153.0	Feb. 14, 1962	126		

7N/13W-15Z1. Records furnished by T. Altitude about 2,350 ft.

Jan. 10, 1920	(q)	May 24, 1922	(q)	Oct. 20, 1924	3.4
Apr. 30, 1921	12.5	Oct. 26	1.1	Oct. 22	2.5
May 30	5.4	Nov. 20	(q)	Jan. 22, 1925	(q)
Oct. 2	8.7	Feb. 25, 1923	(q)	Jan. 9, 1926	(q)
Jan. 21, 1922	(q)	May 14	11.9	Jan. 20, 1927	(q)
Apr. 30	10.1	July 11	17.1		

7N/13W-22Q1. Depth of well 450 ft in 1945. Records furnished by DWR and WRB. Altitude about 2,379 ft.

1945	w152	Jan. 10, 1952	134	May 11, 1955	a300
Feb. 27, 1948	105	Jan. 10	a171		
Feb. 27	a147	May 11, 1955	188		

7N/13W-23H1. Depth of well 211.0 ft January 10, 1920; 21.5 ft July 17, 1925. Records furnished by T. Altitude about 2,355 ft.

1910	(q)	July 11, 1923	22.2	Jan. 9, 1926	4.4
1911	(q)	Sept. 29, 1924	20.5	May 13	24.2
Jan. 10, 1920	.6	Oct. 22	9.6	Aug. 30	(f)
Apr. 30, 1921	19.2	Nov. 15	8.8	Oct. 15	20.3
May 30	13.0	Jan. 22, 1925	4.0	Jan. 20, 1927	5.7
Oct. 2	12.5	May 6	18.5	May 9	(f)
Feb. 25, 1923	2.5	July 17	(f)	Oct. 26	17.6
May 14	15.6	Oct. 6	19.9		

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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7N/13W-24B1. Depth of well 200 ft in 1949. Records furnished by DWR.  
Altitude about 2,350 ft.

Nov. 28, 1956	40.5	Nov. 28, 1958	46.0	Oct. 24, 1960	51.0
Mar. 8, 1957	40.3	Mar. 19	46.5	Apr. 3, 1961	50.8
Nov. 12	43.0	Nov. 9, 1959	49.0	Oct. 19	53.2
Mar. 12, 1958	43.8	Mar. 7, 1960	48.1	Apr. 9, 1962	53.9

7N/13W-27Q1. Depth of well 538 ft in 1948. Records furnished by DWR and P. Altitude about 2,425 ft.

Mar. 26, 1954	219.5	Mar. 8, 1957	244.8	Nov. 10, 1959	280.5
June 23	a352	Nov. 13	255.5	Mar. 7, 1960	277.1
Mar. 11, 1955	226.4	Mar. 12, 1958	244.0	Oct. 27	303.2
Nov. 28, 1956	187.2	Nov. 25	t254	Apr. 30, 1963	318.2

7N/13W-34H1. Depth of well 167.6 ft November 17, 1939; 110.1 ft August 2, 1963. Records furnished by DWR and FC. Altitude about 2,458 ft.

Apr. 19, 1934	142.0	Nov. 22, 1937	149.3	Apr. 21, 1942	167.4
May 1, 1935	140.9	Nov. 17, 1939	c160.85	Nov. 24	172.3
Dec. 13	142.9	Mar. 13, 1940	151.8	Apr. 20, 1943	168.7
Apr. 16, 1936	145.0	Nov. 26	164.85	Dec. 1	177.4
Apr. 22, 1937	149.3	Apr. 10, 1941	155.1	Nov. 13, 1958	190.2
Nov. 9	a156.1	Dec. 2	164.8	Aug. 2, 1963	(f)

7N/13W-34J1. Depth of well 444 ft in 1946; 410.0 ft August 2, 1963. Records furnished by DWR and WRB. Altitude about 2,464 ft.

Aug. 13, 1946	191	1952	240	Oct. 21, 1959	327
1947	210	1955	303	Nov. 21, 1961	337
1948	220	1956	313	Aug. ~ 2, 1963	s410.0

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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7N/13W-34J2. Depth of well 690 ft in 1956. Records furnished by D, FC, and WRB. Altitude about 2,463 ft.

1956	310	Oct. 1, 1956	323	Nov. 21, 1960	327.0
Apr. 15, 1956	316	Oct. 21, 1959	325.6	Aug. 2, 1963	340.35

7N/13W-35B1. Depth of well 472 ft in 1946. Records furnished by DWR, FC, and O. Altitude about 2,436 ft.

Dec. 7, 1953	239.3	Oct. 29, 1957	267.2	Nov. 21, 1960	269.1
Nov. 15, 1954	256.5	Nov. 13, 1958	268.7	Nov. 21, 1961	272.1
Oct. 24, 1955	249.6	May 4, 1959	267	July 18, 1963	a406.5

7N/13W-35E1. Records furnished by DWR and FC. Altitude about 2,443 ft.

Nov. 9, 1937	137.8	Dec. 1, 1943	158.4	Nov. 29, 1950	212.2
May 23, 1938	136.2	Dec. 5, 1944	164.4	Dec. 18, 1951	222.4
Mar. 8, 1939	129.2	Feb. 28, 1945	161.4	Dec. 24, 1952	230.3
Mar. 13, 1940	132.5	Nov. 6	184.14	Dec. 7, 1953	269.05
Nov. 26	145.15	Dec. 12, 1946	176.35	Nov. 13, 1958	290.0
Apr. 10, 1941	135.5	Dec. 9, 1947	187.05	Apr. 7, 1961	303.5
Dec. 2	145.8	Dec. 9, 1949	200.0	Nov. 16	325.8
Nov. 24, 1942	153.5	Jan. 4, 1950	200.9	Apr. 9, 1962	340.8

8N/11W-27R1. Depth of well 288 ft in 1947. Records furnished by DWR. Altitude about 2,341 ft.

Sept. 21, 1951	166.06	Aug. 11, 1952	a249.1	Nov. 8, 1955	167.30
Nov. 17	141.10	Sept. 3	a255.6	Oct. 17, 1956	188.78
Jan. 30, 1952	118.33	Nov. 6	150.5	Nov. 14, 1957	154.11
Feb. 15	115.98	Jan. 19, 1953	126.11	Mar. 11, 1958	144.58
Mar. 4	122.00	May 3, 1954	t185	Nov. 6	155.99
July 3	a252.7	Oct. 18	182.88	Mar. 12, 1959	166.75

See footnotes at end of table.



Date	Water level	Date	Water level	Date	Water level
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8N/11W-27R2. Depth of well 330.5 ft March 3, 1964. Altitude about 2,341 ft.

Sept. 21, 1951	160.4	Oct. 26, 1961	174.32	Oct. 15, 1963	170.26
Mar. 4, 1960	156.64	Feb. 27, 1962	150.57	Nov. 5	162.00
Nov. 16	162.08	Nov. 10	169.99	Mar. 3, 1964	172.63
Feb. 28, 1961	c175.09	Mar. 12, 1963	c177.35	Sept. 19	c184.55

8N/11W-30R1. Depth of well 45.0 ft February 28, 1951. Records furnished by DWR and FC. Altitude about 2,330 ft.

Dec. 6, 1941	36.83	July 25, 1951	39.51	Aug. 11, 1952	40.67
Jan. 10, 1943	42.3	Aug. 22	39.56	Sept. 3	40.72
Dec. 8	35.45	Sept. 18	39.75	Oct. 3	40.75
May 11, 1944	34.2	Oct. 3	39.82	Dec. 2	40.83
Mar. 2, 1945	34.5	Oct. 15	39.85	Jan. 19, 1953	40.88
Dec. 11	34.88	Nov. 7	39.96	Mar. 12	41.01
Nov. 25, 1946	35.45	Nov. 14	39.97	May 3, 1954	42.13
Nov. 4, 1947	36.25	Dec. 22	40.11	Nov. 9, 1955	60.20
Nov. 9, 1948	37.17	Jan. 30, 1952	39.93	Mar. 9, 1956	60.8
Nov. 12, 1949	37.94	Feb. 15	39.97	Aug. 10	45.68
Nov. 14, 1950	38.78	Mar. 4	40.03	Oct. 23	45.38
Feb. 28, 1951	39.01	Apr. 4	40.03	Mar. 8, 1957	45.45
Apr. 10	39.16	May 5	40.15	Nov. 14	45.72
May 8	39.24	June 5	40.28		
June 28	39.40	July 3	40.45		

8N/11W-32E1. Depth of well 200 ft in 1946. Records furnished by DWR. Altitude about 2,340 ft.

May 4, 1951	59.88	Mar. 4, 1952	61.71	Oct. 22, 1963	86.76
Nov. 16	61.88	Feb. 28, 1962	84.2		

8N/11W-33H1. Depth of well 303 ft in 1946. Records furnished by DWR. Altitude about 2,342 ft.

May 4, 1951	129.10	Mar. 17, 1955	145.0	Oct. 23, 1963	153.03
Oct. 27, 1954	148	Nov. 8	144.5		
Nov. 12	138.3	Mar. 9, 1956	150.7		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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8N/11W-34D2. Depth of well 250.0 ft September 21, 1951. Altitude about 2,340 ft.

Sept. 21, 1951	145.8	Oct. 3, 1952	c154.24	Dec. 8, 1959	148.77
Nov. 17	126.33	Nov. 6	136.19	Mar. 3, 1960	a153.65
Dec. 22	118.01	Jan. 19, 1953	119.07	Nov. 16	a153.10
Jan. 30, 1952	112.18	Mar. 12	c150	Feb. 28, 1961	151.56
Feb. 15	110.89	May 3, 1954	c160	Oct. 26	158.09
Mar. 4	112.08	Oct. 23, 1956	153.42	Feb. 27, 1962	141.80
Apr. 3	129.15	Mar. 8, 1957	c144.82	Nov. 10	c168.53
May 5	128.98	Nov. 14	149.33	Mar. 12, 1963	152.41
July 3	149.8	Mar. 11, 1958	143.00	Nov. 5	b155.17
Aug. 11	148.07	Nov. 6	143.40	Mar. 3, 1964	149.26
Sept. 3	149.46	Mar. 12, 1959	c155.87		

8N/11W-34R2. Altitude about 2,358 ft.

Nov. 17, 1951	147.71	Mar. 12, 1959	177.84	Nov. 10, 1962	177.87
Mar. 4, 1952	142.72	Dec. 8	171.05	Mar. 12, 1963	178.65
Mar. 17, 1956	177.62	Mar. 4, 1960	175.27	Nov. 5	179.48
Mar. 8, 1957	159.79	Nov. 16	173.19	Mar. 3, 1964	179.66
Nov. 14	164.97	Feb. 28, 1961	178.19	Sept. 19	215.30
Mar. 11, 1958	161.41	Oct. 26	188.40		
Nov. 6	170.74	Feb. 27, 1962	164.13		

8N/12W-30N1. Records furnished by DWR. Altitude about 2,328 ft.

Mar. 9, 1956	37.3	Mar. 17, 1959	43.0	Apr. 3, 1961	53.6
Nov. 13	44.0	Nov. 10	49.0	Oct. 17	54.2
Mar. 14, 1958	41.7	Mar. 7, 1960	t46.8	Apr. 4, 1962	61.4
Nov. 29	45.6	Oct. 24	51.7	Aug. 15, 1963	58.09

8N/12W-30Q1. Depth of well 57.1 ft August 14, 1963. Records furnished by DWR and FC. Altitude about 2,323 ft.

Dec. 4, 1943	8.5	May 2, 1944	7.95	Mar. 12, 1945	5.17
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See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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8N/12W-30Q1--continued.

Nov. 7, 1945	16.8	Nov. 27, 1950	25.3	Mar. 24, 1954	29.6
Dec. 9, 1946	12.85	Apr. 26, 1951	24.46	Nov. 12	38.89
Nov. 26, 1947	19.5	Dec. 4	30.25	Mar. 15, 1955	31.7
Dec. 7, 1948	19.3	Nov. 13, 1952	30.8	Aug. 14, 1963	(f)
Nov. 22, 1949	22.2	Nov. 24, 1953	33.4		

8N/12W-32M1. Depth of well 63.8 ft January 23, 1951; 34.9 ft August 15, 1963. Records furnished by FC. Altitude about 2,318 ft.

Dec. 4, 1943	4.33	Aug. 21, 1951	16.92	May 5, 1952	14.15
May 2, 1944	4.1	Sept. 18	16.74	June 5	14.34
Jan. 23, 1951	16.35	Oct. 15	16.85	July 3	14.58
Mar. 2	15.89	Nov. 15	16.93	Aug. 11	15.19
Apr. 11	15.91	Dec. 22	16.97	Sept. 3	15.50
May 8	15.98	Feb. 14, 1952	16.38	Oct. 17	16.06
June 29	16.22	Mar. 3	16.21	May 3, 1954	18.86
July 24	16.34	Apr. 4	14.25	Aug. 15, 1963	(f)

8N/12W-34P1. Depth of well 109.0 ft August 20, 1963. Records furnished by FC. Altitude about 2,318 ft.

Dec. 5, 1941	11.88	Dec. 8, 1943	13.0	Aug. 14, 1953	21.0
Dec. 26, 1942	12.17	May 2, 1944	10.98	Aug. 20, 1963	32.72

8N/13W-27P1. Depth of well 147 ft in 1952. Records furnished by DWR. Altitude about 2,367 ft.

Oct. 20, 1957	74.5	Mar. 17, 1959	82.0	Apr. 3, 1961	95.6
Mar. 12, 1958	74.1	Mar. 7, 1960	75.2	Oct. 17	92.0
Nov. 27	74.1	Oct. 24	90.7		

See footnotes at end of table.

Date	Water level	Date	Water level	Date	Water level
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8N/13W-35P1. Depth of well 59.8 ft August 13, 1963. Records furnished by DWR. Altitude about 2,350 ft.

Oct. 20, 1957	52.8	Mar. 17, 1959	55.3	Apr. 3, 1961	60.2
Mar. 4, 1958	51.8	Mar. 10, 1960	b56.0	Oct. 17	60.9
Nov. 28	54.8	Oct. 24	59.8	Aug. 13, 1963	(f)

8N/13W-36L1. Depth of well 1,100 ft in 1958. Records furnished by LAC. Altitude about 2,340 ft.

May 1, 1959	108	May 26, 1961	v158	Mar. 5, 1963	v163
June 2	102	Dec. 1	v143	Apr. 10	v167
Sept. 4	a156	Jan. 2, 1962	v150	May 1	v160
Apr. 1, 1960	a176	June 4	v150	June 3	v162
Sept. 20	134	Aug. 9	a v225	July 2	v165
Sept. 20	a152	Oct. 9	v165	Aug. 5	v170
Dec. 2	v138	Dec. 3	v175	Aug. 14	t131.4
Feb. 17, 1961	v165	Jan. 2, 1963	v165		
Mar. 24	v150	Feb. 5	v155		

- a. Well being pumped.
- b. Well pumped recently.
- c. Nearby well being pumped.
- f. Dry.
- k. Measurement from recorder chart.
- m. Obstruction or bottom above water surface.
- p. Measurement considered questionable by observer.
- q. Artesian flow.
- r. Well has been filled in.
- s. Some moisture at bottom well.
- t. Tape smears, measurement is questionable.
- u. Measured with an electric sounder.
- v. Measured with an air-line gage.
- w. Driller encountered first water at this depth.

APPENDIX C

TABLE 3. PUMPING TESTS OF WELLS



Table 3.--Pumping tests of wells

Source of data: D driller; DGT Thompson (1929); DWR California Department of Water Resources; FC Los Angeles County Flood Control District; O owner; P pump service contractor; SCE Southern California Edison Co.; and WRB California Water Rights Board.

Depth of well: The depth shown is the depth of the well, in feet, as shown in table 1, and is not necessarily the depth on the date of the pumping test.

Pumping rate: The pumping rate, reported in gallons per minute (gpm), does not necessarily indicate the maximum capacity of the well, but is the rate at which the well was pumped at the time of the test.

Static water level: The static, or standing, water level is the reported depth to water at the time of the test. In some cases, the static water level may be higher than that listed because the standing water-level measurement was made minutes after completion of the test and reflects the water level during recovery, not the static level. Because the reported static water level is not always precise, the drawdown and specific-capacity values may not be exact.

Drawdown: The drawdown is the difference, in feet, between the static water level and the pumping water level.

Specific capacity: The specific capacity is a measure of the physical condition of the well and the aquifer or aquifers which it penetrates. A well with a large specific capacity is capable of a greater yield than a well with a small specific capacity. Specific capacity is obtained by dividing the pumping rate, in gallons per minute, by the drawdown, in feet, after an extended period of pumping.



Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
4N/ 8W-30R1	D	64	4- 4-50	25	12	13	1.9
4N/10W-11A1	O	350	1950	450	40	60	7.5
11A2	D	175	6----50	350		70	5.0
5N/ 9W-4E1	D	315	8-24-55	540	90	86	6.3
6B2	D	508	11----62	600		90	5.6
24P1	D	750	1----59	164		80	2.5
5N/10W-5R1	P SCE	412	8-29-57 4-25-62	900 713	128 120.2	32 16.8	28 42.4
7E1	P SCE	518	6- 7-57 10-16-58	1,000 738	174 152.2	51 28.8	20 26.6
7P1	P SCE	625	6- 3-57 4-27-62	1,000 231	207 210.8	36 7.0	28 33
7R1	P SCE	550	9-19-57 4-12-62	1,000 611	229 238.4	26 8.7	38 70
10E1	P SCE	258	9-29-60 4-11-62	450 278	90 107.0	60 26.8	7.5 10.4
10E2	P SCE	406	9-22-59 4-11-62	600 278	100 111.6	60 30.8	10 9.0
21H1	D	96	6-15-54	12	45	50	.2
5N/11W-1M1	D	392	6- 1-55	400	105	185	2.2
4R2	D	300	11-24-49	550	143	10	55
5F1	D SCE	550	2-24-60 10- 9-63	575 355	260 188.2	115 43.9	5.0 8.1
5L1	SCE SCE	302	2-29-56 9-26-63	289 249	214.2 209.8	27.2 25.4	10.6 9.8
12F1	D	232	5-30-50	600	125	40	15
12J1	SCE	512	11-14-61	723	164.4	73.3	9.9

Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
5N/11W-12J2	O	483	12- 2-52	900	150	43	21
	O		12- 2-52	1,800	150	93	19
	O		5-27-55	1,800	158	85	21
	SCE		10-21-61	745	177.8	87.8	8.5
12Q1	SCE	450	9-16-59	668	171.0	51.8	12.9
	SCE		10-26-61	495	207.8	53.2	9.3
12R1	SCE	602	11-14-61	595	190.7	29.6	20.1
13B1	DWR	656	10- 3-55	810	198	72	11
	P		5-27-53	1,000	204	41	24
	P		5-27-53	1,300	204	62	21
	P		5-27-53	1,450	204	70	21
	SCE		10-26-61	637	223.0	44.1	14.4
13K1	DWR	488		360	197	13	28
6N/ 8W-26P1	D	537	1946	972	70	100	9.7
27J1	D	361	1946	1,350		90	15
6N/ 9W-10D1	D	360	7- 5-60	1,900	138	42	45
10Q1	D	320	7-25-60	1,500	135	55	27
22Z2	DGT	180	1920	630	17	90	70
28K1	D	704	1-20-61	2,800	90	42	67
29E1	D	185	10-31-56	600	60	30	20
33C1	O	738	1963	2,400		150	16.0
34N1	O	475	1----64	454	102	60	7.6
6N/10W-29D1	D	330	5----57	225	210	85	2.6
31Q1	P	384	5-31-56	850	148	44	19
	P		5-31-56	1,025	148	67	15
34F1	D	245	10- 3-55	250	128	78	3.2
6N/11W-1B1	D	460	6-10-55	1,665	260	25	67
3E2	SCE	700	10- 9-63	800	311.0	10.4	76.9

Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
6N/11W-4H1	SCE	722	10-12-54	1,544	244.4	21.2	72.8
	SCE		12- 7-55	1,414	241.2	20.5	69.0
	SCE		9-25-57	1,188	264.4	17.2	69.1
	SCE		12-23-58	1,199	258.2	13.8	86.9
	SCE		9-24-59	1,289	276.3	16.7	77.2
	SCE		10- 9-60	1,131	312.8	16.2	69.8
6G1	P	599	7-29-53	420	224	16	26
6H1	SCE		5-14-63	829	269.6	36.2	22.9
8E1	D	451	11-29-24	585	106	34	17
8R3	DWR	708	8-17-56	720	195	20	36
19E1	SCE	473	12- 8-30	1,130	187.5	26.1	43.3
	SCE		1-28-31	1,280	185.5	23.0	55.6
	SCE		2-11-31	1,188	188.7	23.1	51.4
	P		8-26-48	490	254.0	21.5	22.8
	P		8-26-48	506	254.0	25.5	19.8
	P		8-26-48	580	254.0	27.5	21.1
	P		8-26-48	635	254.0	30.0	21.2
	SCE		10-24-51	465	269.0	21.0	22.1
	SCE		6-17-52	847	277.3	24.9	34.0
	SCE		5-21-54	511	292.8	16.0	31.9
	SCE		10-24-54	465	269.6	21.0	22.1
	SCE		11-29-55	888	295.6	19.9	44.6
	SCE		12- 8-55	1,121	297.1	26.8	41.8
	SCE		3-27-58	1,227	300.0	35.8	34.3
	SCE		6-13-58	1,269	311.2	51.0	24.9
	SCE		9-25-63	721	348.6	29.4	24.5
19E2	D	848	12- 8-60	2,300	328	24	96
	SCE		6- 9-61	1,706	331.6	19.7	86.6
	SCE		9-24-63	1,604	354.9	13.2	122
19E3	SCE	604	10-24-51	324	274.7	6.1	53
	SCE		5-21-54	1,275	294.0	23.5	54.3
	SCE		12- 2-55	1,121	297.1	26.8	41.5
	SCE		3-27-58	1,227	300.0	35.8	34.3
	SCE		6-13-58	1,269	311.2	51.0	24.9
20G1	FC	600	1947	720	228	15	4.8
20G2	SCE	694	9-26-63	767	329.3	73.2	10.5

Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
6N/11W-20N1	SCE	500	12- 2-55	689	274.1	42.3	16.3
	SCE		9-25-63	544	314.5	47.4	11.5
22Q1	D	391	9----52	567		64	8.9
32P1	SCE	495	8-11-61	428	194.1	50.1	8.5
	SCE		9-26-63	433	196.0	49.7	8.7
32P2	SCE	400	10-27-61	221	196.5	33.6	6.6
	SCE		10-11-63	200	196.3	34.1	5.9
33Q7	D	300	7-22-54	17	116	48	0.4
36G1	D	572	1-12-56	300	192	63	4.8
6N/12W-1J1	D	581	7-31-57	560	250	160	3.5
	SCE		5-15-63	529	265.8	17.2	30.8
4A1	D	504	5-29-50	1,100	238	18	61
5A1	SCE	460	7-10-57	853	267.1	25.5	33.5
	SCE		7-10-58	786	269.4	27.0	29.1
	SCE		8- 9-60	721	282.0	29.8	24.2
	SCE		6-26-62	679	290.3	28.9	23.5
7A1	SCE	432	8-15-55	156	285.2	80.3	1.9
	SCE		3-12-57	144	284.1	24.8	5.8
	P	411	3- 9-61	144	297	112	1.3
	P		4-19-61	162	307	73	2.2
7A2	D	456	10-15-54	450	275	95	4.7
	SCE		3-13-57	312	279.5	42.7	7.3
	SCE		3-22-61	136	293.8	26.2	5.2
8R1	SCE	630	8-27-57	599	363.8	54.8	10.9
	SCE		7-10-58	572	367.4	60.4	9.5
	SCE		10-16-59	577	364.0	50.9	11.3
	SCE		4-22-64	513	385.2	95.2	5.4
9H1	SCE	600	6-19-57	408	329.2	7.2	57
9H2	SCE	600	6-19-57	398	339.3	6.2	64
12M1	SCE		5-13-63	262	308.4	7.1	37
12R1	P	800	6- 4-51	1,044	232	42	25
13N1	D	800	2-12-60	1,750	325	44	40

Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
6N/12W-16A1	D	661	10-20-50	1,000	315	37	27
21A1	D	702	6- 1-50	1,900	340	57	33
	DWR		8- 9-57	346		35.6	9.7
	SCE		11-20-62	387	401.5	143.8	2.7
21A2	D	708	11- 6-55	575	352	117	4.9
	SCE		11-15-62	369	407.8	100.5	3.7
23M1	D	624	1954	360	305	175	2.1
24A1	SCE	502	5- 8-52	1,390	281.3	27.2	51.1
	SCE		3-17-54	1,251	278.6	27.1	47.9
	SCE		6-13-58	1,099	302.2	27.4	40.1
24C1	SCE	900	9-24-63	1,074	358.0	28.7	37.4
24F1	D	610	4-19-57	1,710	306	69	25
6N/13W-12H1	D	132	7-13-50	60	18	92	.19
12R1	D	96	7-13-50	190	25	60	3.2
7N/11W-2D1	WRB	312	7-25-56	327	223	15	22
3H4	P	314	1963	190		65	2.9
3P4	SCE	407	11-14-58	734	175.2	41.5	17.7
4P1	WRB	360	10-17-56	597	139	25.4	23.5
8M1	D	600	6- 3-62	1,300	162	203	6.4
10K1	WRB	456	8-28-56	747	228.6	45.6	16.4
10N3	SCE	505	6-19-63	290	251.2	21.6	13.4
10P1	WRB	450	8-28-56	704	228.6	21.1	33.4
14G1	WRB	556	2-26-52	769	155.4	14.8	52.0
15C1	SCE		6-19-63	1,006	277.6	20.4	49.3
15D3	D	613	1- 7-63	1,400	217	28	50.0
	D		1- 7-63	1,865	217	30	62.2
	D		1- 7-63	2,000	217	34	58.9
	D		1- 7-63	2,350	217	43	54.7

Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
7N/11W-15Z1	WRB	400	6-20-52	1,412	210	31	46
16H2	D	395	6-26-53	630	195	35	18
16M1	D	400	4-12-62	575	154	111	5.2
17D1	D	500	7- 6-54	1,400	210	37	38
19N2	WRB	501	1952	810	155	8	100
19Q3	WRB	403	8-15-51	340	160	14	24
	WRB		1- 6-56	722	187	17	42
20F2	D	682	12-16-55	1,200	190	40	30
20M1	SCE		3-26-57	425	192.4	14.6	29.1
20N1	D	684	3- 1-61	1,500	270	30	50
20R1	SCE	600	9-22-60	472	250.2	3.2	150
21R1	D	550	1917	1,053	70	26	15
23R1	D	630	10----54	2,500	210	50	50
27G1	DWR	600		675		15	45
27N1	SCE	690	7----63	626	291.8	12.2	51.3
28F2	D	570	8- 2-63	800	325	37	21.6
	D		8- 2-63	900	325	41	21.9
	D		8- 2-63	1,000	325	46	21.7
	D		8- 2-63	1,100	325	51	21.6
	D		8- 2-63	1,200	325	59	20.3
	D		8- 2-63	1,300	325	65	20.0
	D		8- 2-63	1,400	325	71	19.7
	D		8- 2-63	1,500	325	82	18.3
28H2	D	680	8- 2-63	1,000	295	19	52.6
	D		8- 2-63	1,200	295	24	50.0
	D		8- 2-63	1,400	295	30	46.7
	D		8- 2-63	1,600	295	34	47.0
	D		8- 2-63	1,800	295	35	51.4
	D		8- 2-63	2,000	295	40	50.0
	D		8- 2-63	2,200	295	45	48.9

Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
7N/11W-28P2	D	500	10-29-60	200	255	7	29
	D		10-29-60	500	255	20	25
29H1	SCE	679	9-22-60	804	282.8	17.2	46.7
29J1	D	600	6-20-55	900	245	25	36.0
	D		6-20-55	1,100	245	30	36.7
30M1	D	666	1-22-62	1,000	205	23	43.5
	D		1-22-62	1,100	205	29	37.9
	D		1-22-62	1,200	205	33	36.4
	D		1-22-62	1,400	205	40	35.0
	D		1-22-62	1,600	205	50	32.0
	D		1-22-62	1,800	205	62	29.0
	D		1-22-62	2,000	205	74	27.0
	D		1-22-62	2,100	205	80	26.2
32A2	D	823	2- 1-62	1,000	262	30	33.3
	D		2- 1-62	1,200	262	38	31.6
	D		2- 1-62	1,400	262	51	27.4
	D		2- 1-62	1,600	262	63	25.4
	D		2- 1-62	1,800	262	73	24.6
	D		2- 1-62	2,050	262	77	26.6
32G1	WRB	610	6----56	1,250	246	34	37
33A1	SCE		10-12-54	906	230.8	12.2	74.3
	SCE		12-23-58	1,401	241.6	19.1	73.4
	SCE		9-24-59	1,353	260.8	16.5	82.0
	SCE		10- 9-62	1,353	292	29.6	45.7
33J1	SCE	800	10- 5-54	582	236.5	5.5	106
	SCE		10- 9-57	1,288	261.6	11.2	115
	SCE		12-23-58	1,290	248.8	11.7	110
33J2	D	770	2-26-63	1,200	296	17	70.6
	D		2-26-63	1,400	296	20	70.0
	D		2-26-63	1,600	296	23	69.6
	D		2-26-63	1,800	296	27	66.7
	D		2-26-63	2,000	296	31	64.5
	D		2-26-63	2,200	296	34	64.7
	D		2-26-63	2,300	296	36	63.9
	D		2-26-63	2,360	296	37	63.8
33N2	D	622	2-10-59	1,390	256	25	56

Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
7N/11W-33Q1	D	700		1,000	260	46	32.6
	D			1,100	260	50	32.0
	D			1,200	260	55	30.9
	D			1,300	260	59	30.5
	D			1,400	260	66	31.8
	D			1,500	260	46	32.6
	D			1,600	260	50	32.0
	D			1,700	260	55	30.9
	D			1,800	260	59	30.5
	D			2,100	260	66	31.8
	SCE		10- 9-62	1,084	316.2	24.6	44.1
33R1	SCE		10- 5-54	648	239.9	10.2	63.5
34F1	SCE	507	7----63	499	298.0	12.3	40.6
7N/12W-1A1	D	210	10- 3-55	295	60	45	6.6
9E1	D	1,104	8-13-58	1,200	92	25	48
	SCE		4-25-62	1,139	81.8	36.6	31.1
9E2	SCE		4-11-61	1,478	74.0	46.2	32.0
	SCE		3-26-62	1,473	74.2	40.0	36.8
10N1	SCE	600	10- 8-53	736	123.6	55.6	13.2
	SCE		3-21-62	778	121.2	63.0	12.3
10P2	D	1,220	5-29-57	1,050		37	28.4
	SCE		10----58	592	107.6	26.2	22.6
	SCE		3-21-62	788	114.1	28.4	27.7
11K1	SCE	1,206	3-28-62	658	115.4	79.8	8.2
11M1	D	1,346	7-18-58	375	160	170	2.2
11M2	D	600	11-17-59	812	90	97	8.4
	SCE		3-20-62	669	88.4	53.7	12.5
13M2	D	426	1951	1,000	120	20	50
	SCE		3-28-62	160	167	74	2.2
14E1	D	600	11-17-53	730	141	49	15
	D		11-17-53	900	141	69	13
	D		11-17-53	1,050	141	94	11



Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
7N/12W-15F2	SCE	600	10- 7-54	362	110.6	37.6	9.6
15R1	D	700	2----50	1,750	110	45	39
	SCE		10- 2-58	495	190.0	36.2	13.7
	SCE		3-27-62	522	172.0	48.5	10.8
15R2	D	670	6----53	1,780	120	119	15.0
	SCE		3-27-62	905	181.2	41.9	21.6
15R3	D	1,227	2-15-58	1,800	190	105	17.1
	SCE		4-12-62	873	176.8	43.9	19.9
19R1	SCE	400	4-10-62	435	147.6	13.9	31.3
21C1	D	670	4-26-55	1,375	125	90	15
	SCE		4-10-62	725	136.6	43.0	16.9
21C2	D	637	11-16-55	2,000	130	108	18.5
	SCE		4-10-62	985	135.4	69.1	14.3
22B1	SCE		7-14-59	764	192.0	37.8	20.2
	SCE		3-13-62	521	150.0	83.4	6.2
22B2	D	552	9----47	1,450	92	31	47
	SCE		3-13-62	710	157.6	21.0	33.8
23A1	SCE	450	11- 1-63	132	180.0	1.6	82
24Q1	D	622	2-25-55	800	180	20	40
	SCE		3- 5-58	652	191.6	16.2	40.2
26K1	SCE	600	4-10-62	341	223.8	7.0	49
27H1	WRB	500	4----54	810	176	10	81
27H2	D	700	5- 1-59	2,175	210	22	99
	SCE		3-19-62	970	216	11	88
27J4	D	1,102	6-11-56	2,100	196	100	21.0
	SCE		3-13-62	648	235.6	26.6	24.4
27J5	D	700	7----53	1,100	195	105	10.5
	SCE		4-12-62	452	231.8	65.4	6.9
28P1	SCE	407	11-10-63	397	218.0	9.6	41
30Q1	SCE	420	5-24-60	785	204.6	31.2	25.2
	SCE		2- 2-62	781	201.8	31.2	25.0

Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
7N/12W-31B1	SCE	600	4-19-55	511	193.6	4.8	106
32A1	SCE	540	10-23-63	197	225.6	23.2	8.5
32R2	SCE	437	8- 9-60	418	274	25.0	16.7
	SCE		10-23-63	223	285.8	16.4	13.6
33R1	SCE	622	7-10-57	822	261.0	6.0	137
	SCE		7-11-58	674	263.3	5.2	130
	SCE		8- 9-60	623	273.0	6.4	97.3
	SCE		6-26-62	398	280.7	4.4	90.5
7N/13W-10B1	D	504	11-19-51	1,144	18	100	11.4
10Z11	DGT	500	1920	720	25	22	33
11D6	D	351	1-28-17	900	16	34	26
14E1	D	930	9-20-57	2,250	162	48	47
	SCE		10-22-58	880	141.7	16	55
	SCE		3-17-59	957	111.3	23.6	40.6
14E2	SCE	570	10-22-58	281	148.0	14.6	19.2
	SCE		4- 9-62	567	149.7	23.8	23.8
22Q1	SCE	450	7-25-62	139	269.4	55.2	2.5
22Q2	SCE		4-22-58	363	195.3	30.7	9.4
23N1	SCE		4-21-55	484	191.5	45.0	10.8
23R1	SCE	437	8-12-55	457	197.0	34.3	13.3
24M1	O	600	7-10-62	380	94	153	2.5
24M2	O	593	8-20-62	1,152	73	182	6.3
25M1	D	590	8-13-59	500	242	70	7.1
	D		1959	600	242	78	7.2
	D		1959	700	242	108	6.5
	D		1959	800	242	143	5.6
	D		1959	900	242	182	4.9
	SCE		3- 1-60	726	227.0	57.8	12.6

Well number	Source of data	Depth of well (feet)	Date tested	Pumping rate (gpm)	Static water level (feet)	Drawdown (feet)	Specific capacity (gpm/ft of dd)
7N/13W-26J2	D	606	4- 5-57	600	216	64	9.4
	D		4- 5-57	700	216	69	10.1
	D		4- 5-57	800	216	74	10.8
	D		4- 5-57	900	216	79	11.4
	D		4- 5-57	1,000	216	84	11.9
	D		4- 5-57	1,100	216	89	12.4
	D		4- 5-57	1,200	216	94	12.8
	SCE		4-16-63	505	270.4	26.6	19.0
26R1	SCE	475	4-16-63	419	293.1	45.1	9.3
27Q1	P	538	8----49	609	225	35	17
	P		10- 9-50	794	206	76	10
	P		9-17-52	685	270	42	16
34C1	D	450	3----51	810	230	60	14
35B1	SCE	472	4-10-57	277	269.2	34.7	8.0
	SCE		9-21-60	262	285.1	53.1	4.9
35C1	SCE	541	3- 6-58	408	258.6	49.4	8.3
36D1	WRB	600	8----59	531	281.4	40.2	13.2
	SCE		4-16-63	597	310.4	41.0	14.6
8N/13W-36L1	D	1,100	10- 1-58	730	134	18	41



APPENDIX D

TABLE 4. DRILLERS' LOGS OF WELLS



Table 4.--Drillers' logs of wells

	Thickness (feet)	Depth (feet)
4N/8W-7K1. Richard A. Carlyon, formerly E. A. Eberle. Deepened from 160 to 477 ft by V. A. Reed in 1950. 12-inch casing 0-473 ft, perforated 296-448 ft. Altitude about 4,400 ft.		
No record -----	160	160
Clay, sandy, hard, packed -----	23	183
Clay, sandy, soft -----	19	202
Clay, brown, sticky, with hard layers -----	46	248
Clay, brown, with hard layers -----	66	314
Gravel, "dry" -----	2	316
Clay and gravel -----	2	318
Gravel, "dry" -----	2	320
Clay and gravel -----	13	333
Gravel, "dirty," "dry" -----	6	339
Clay, sandy -----	37	376
Clay, brown, hard, "jointed" -----	18	394
Clay, soft, water-bearing -----	2	396
Clay, brown, hard, "jointed" -----	1	397
Clay with hard layers and some sand -----	11	408
Clay, "jointed" -----	25	433
Gravel, water-bearing -----	8	441
Clay and gravel -----	4	445
Sand, hard -----	16	461
Sand and gravel -----	10	471
Sand and clay, hard, packed -----	5	476
Sand and clay, sticky, hard, packed -----	1	477

4N/8W-30R1. All Nations Camp. Drilled by V. A. Reed in 1950. 10-inch casing 0-64 ft, perforated 12-42 ft. Altitude about 5,580 ft.

Conglomerate -----	15	15
Boulders -----	2	17
Conglomerate -----	13	30
Boulders -----	3	33
Conglomerate -----	1	34
Boulders -----	22	56
Conglomerate -----	8	64

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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4N/9W-6G1. Crystalline Estates. Drilled by Garbier & Bridges in 1951. 20-inch casing 0-33 ft, 12-inch casing 33-95 ft. Altitude about 3,493 ft.

Sand, gravel, and boulders -----	28	28	Rock, moderately hard -----	14	72
Rock, fractured, hard -----	28	56	Rock, fractured -----	4	76
Rock, fractured -----	2	58	Rock, hard -----	19	95

4N/9W-8M1. U.S. Forest Service. Drilled by J. L. Clugage in 1961. 8-inch casing 0-150 ft, perforated 0-150 ft. Altitude about 3,730 ft.

Gravel and boulders --	12	12	Sand, fine, and yellow clay with some gravel -----	123	152
Gravel, boulders, and yellow clay -----	17	29			

4N/9W-9E1. Crane. Drilled in 1946. 8-inch casing 0-140 ft, perforated 60-140 ft. Altitude about 3,795 ft.

Boulders and gravel --	76	76	Clay, boulders, and gravel -----	64	140
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4N/9W-9M1. Mountain Brook Ranch. Drilled by J. L. Clugage in 1958. 14-inch casing 0-150 ft, perforated 75-140 ft. Altitude about 3,800 ft.

Boulders, sand, and gravel -----	75	75	Clay, yellow-gray, sticky -----	12	141
Gravel, water-bearing-	19	94	Granite -----	9	150
Clay, yellow-gray, sticky, soft -----	35	129			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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4N/9W-9N1. Mountain Brook Ranch, formerly the Wilson Ranch. Drilled by J. L. Clugage in 1946 to 140 ft, deepened to 201 ft in 1956. 16-inch casing 0-140 ft, perforated 60-140 ft (casing diameter and perforated interval unknown for well between 140 and 201 ft). Altitude about 3,845 ft.

Boulders and gravel --	76	76	Clay, sandy -----	61	201
Clay, boulders, and gravel -----	64	140			

4N/9W-9N2. Mountain Brook Ranch. Drilled by J. L. Clugage in 1950. 14-inch casing 0-209 ft, no casing 209-218 ft, perforated 75-180 ft. Altitude about 3,845 ft.

Soil -----	6	6	Sand, clean, and gravel -----	2	128
Boulders and gravel --	76	82	Clay, yellow, and sand -----	10	138
Sand and gravel -----	4	86	Sand and gravel -----	8	146
Clay, gray, and gravel -----	4	90	Clay, yellow, hard, and sand -----	42	188
Clay, yellow, and sand -----	21	111	Clay, yellow, and sand, cemented ----	30	218
Sand, clean, and gravel -----	9	120			
Clay, yellow, and sand -----	6	126			

4N/9W-9N3. Mountain Brook Ranch. Drilled by J. L. Clugage in 1957. 14-inch casing 0-157 ft, no casing 157-205 ft. Altitude about 3,834 ft.

Clay and gravel -----	80	80	Clay and blue clay -----	119	205
Gravel -----	6	86			

4N/9W-9N4. Mountain Brook Ranch. 14-inch casing 0-160 ft, perforated 60-140 ft. Altitude about 3,831 ft.

Sand, gravel, and boulders -----	26	26	Sand, clean, and gravel -----	7	116
Clay -----	51	77	Sand and clay -----	6	122
Sand and gravel -----	24	101	Sand and gravel -----	1	123
Sand -----	8	109	Sand, fine, and clay, cemented -----	37	160

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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4N/9W-9P1. Mountain Brook Ranch. Drilled by J. L. Clugage in 1957. 14-inch casing 0-200 ft. Altitude about 3,845 ft.

Rock, sand, and gravel -----	200	200
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4N/9W-10L1. Neas, formerly A. Laszloffy. Deepened from 145 to 249 ft by V. A. Reed in 1950. 8-inch casing 0-249 ft, perforated 132-163 ft, 175-182 ft, and 219-224 ft. Altitude about 4,145 ft.

No record -----	145	145	Clay, sandy -----	41	221
Clay, sandy, hard ----	15	160	Sand and gravel, probably water- bearing -----	1	222
Gravel, coarse, probably water- bearing -----	1	161	Clay, sandy, hard, packed -----	20	242
Clay, sandy -----	18	179	Clay -----	7	249
Gravel, coarse, probably water- bearing -----	1	180			

4N/9W-10M2. A. J. Krystosiak. Drilled by Hall to 150 ft, deepened to 424 ft by Berring in 1946. 12-inch casing 0-150 ft, 8-inch casing 150-416 ft, no casing 416-424 ft. Altitude about 4,115 ft.

No record -----	163	163	Hardpan -----	15	298
Hardpan -----	15	178	"Soft" -----	45	343
"Soft drilling" -----	45	223	Hardpan -----	18	361
Hardpan -----	15	238	"Soft" -----	63	424
"Soft" -----	45	283			

4N/9W-11J1. Gordon Lackerbie. Drilled by W. Barnett in 1960. 8-inch casing 0-410 ft, perforated 310-410 ft. Altitude about 4,400 ft.

Sand and clay -----	20	20	Clay and boulders ---	15	260
"G.D. hard" -----	70	90	Clay, brown -----	60	320
Boulders and hard clay -----	20	110	Clay and gravel, sandy -----	30	350
Hardpan -----	90	200	Clay and fine gravel -----	20	370
Clay, brown, sandy ---	20	220	Granite, decomposed, fairly hard -----	40	410
Hardpan -----	25	245			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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4N/9W-14D1. John Coffeen. Drilled by J. L. Clugage in 1956.  
10-inch casing 0-265 ft, perforated 150-265 ft. Altitude about 4,330 ft.

Gravel, fill, loose; clay and rocks -----	265	265	Granite, white-gray, "at bottom" -----	265
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5N/9W-4E1. C. Hall, formerly Louis Upshaw. Drilled by R. R. Rogers in 1955. 10-inch casing 0-315 ft, perforated 90-287 ft. Altitude about 2,881 ft.

Sand -----	12	12	Clay, brown -----	26	198
Clay, brown, sandy ---	80	92	Sandstone and conglomerate -----	27	225
Sand, water-bearing --	1	93	Clay, brown, soft, possibly water-		
Clay, brown -----	6	99	bearing -----	5	230
"Quicksand" -----	11	110	Clay, brown, sticky -	10	240
Clay, brown -----	31	141	Clay, brown, sandy --	26	266
Sand and hardpan -----	18	159	Hardpan -----	2	268
Clay, brown, and hardpan -----	11	170	Clay, brown, soft, sandy -----	5	273
Gravel, coarse, water- bearing -----	2	172	Clay, brown, sticky -	42	315

5N/9W-5R3. T. Washington. Drilled by J. L. Clugage in 1954.  
8-inch casing 0-202 ft, perforated 143-158 ft and 175-188 ft. Altitude about 2,904 ft.

Sand, fine -----	9	9	Clay -----	32	143
Clay, yellow -----	14	23	Gravel and sand -----	9	152
Clay, gravel, and boulders -----	23	46	Clay -----	23	175
Clay -----	56	102	Gravel and sand -----	6	181
Gravel and clay -----	9	111	Clay -----	21	202

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/9W-9M1. Henry Geter. Drilled by Evans Bros. Drilling Co. in 1961. 6-inch casing 0-225 ft, perforated 165-225 ft. Altitude about 2,963 ft.

Sand -----	4	4	Boulders -----	2	101
Boulders -----	21	25	Boulders and gravel -	49	150
Gravel and boulders --	20	45	Sand and clay -----	30	180
Silt -----	5	50	Clay, sandy -----	15	195
Sand, hard -----	35	85	Sand, with streaks		
Boulders -----	2	87	of clay -----	30	225
Sand, thin, with					
streaks of clay ----	12	99			

5N/9W-20J1. J. N. Petino, formerly L. M. Nixon. Drilled by Hibbard & Bennet in 1926. 10-inch casing 0-280 ft. Altitude about 3,166 ft.

Gravel and surface			Sand and gravel -----	156	246
sand -----	47	47	Gravel, water-		
Gravel, water-			bearing -----	12	258
bearing -----	12	59	No entry -----	14	272
No entry -----	17	76	Clay -----	8	280
Gravel, water-					
bearing -----	14	90			

5N/9W-21J1. Manning, formerly G. P. Massey. Dug by Peg Sessions in 1940. 118 ft of concrete casing, 5-ft diameter at top tapering to 3 ft at bottom. Altitude about 3,204 ft.

Gravel with small			Clay with some sand -	3	116
streaks of clay ----	--	--	Sand and gravel,		
Sand, fine-grained ---	--	113	water-bearing -----	2	118

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/9W-24P1. Mrs. Emma Norman. Drilled by J. L. Clugage in 1959. 12-inch casing 0-200 ft, 10-inch casing 200-750 ft, perforated 550-750 ft. Altitude about 3,373 ft.

Sand and gravel -----	4	4	Boulders, large -----	8	249
Sand, gravel, and rocks, cemented ----	37	41	Sand, fine-grained, and clay -----	214	463
Sand, gravel, and rocks, not cemented -----	8	49	Clay, brown, hard, impervious -----	132	595
Sand, gravel, and clay -----	65	114	Sand, gravel, and clay, "varying mix- ture," water-		
Clay, sandy -----	127	241	bearing -----	155	750

5N/9W-25A1. Llano Lumber Co. Drilled by Various in 1956. 8-inch casing 0-542 ft, perforated 442-542 ft. Altitude about 3,417 ft.

Sand and gravel -----	60	60	Sand, water-bearing -	10	500
Rock (boulders) -----	50	110	Clay -----	12	512
Clay, sandy -----	320	430	Sand, water-bearing -	18	530
Gravel -----	20	450	Clay -----	12	542
Clay, sandy, water- bearing -----	40	490			

5N/9W-28A1. Crystallaire Estates, formerly Paul Lecher. Dug to 130 ft and drilled to 180 ft in 1924. 48-inch casing 0-130 ft, casing size unknown 130-180 ft. Altitude about 3,296 ft.

Soil and clay -----	40	40	Gravel and sand -----	30	130
Sand -----	60	100	No record -----	50	180

5N/9W-29P1. Crystallaire Estates, formerly Helen Bard. Drilled by V. A. Reed in 1950. 8-inch casing 0-73 ft, no casing 73-125 ft, perforated 32-65 ft. Altitude about 3,320 ft.

Sand and boulders ----	32	32	Sand, coarse -----	1	64
"Water-bearing material" -----	1	33	Sand, hard, packed; some clay -----	46	110
Sand and boulders ----	18	51	Sandstone, soft -----	6	116
Sandstone -----	5	56	Sand, coarse-grained, packed, and boulders,		
Sandstone and gravel -----	4	60	possibly water-		
Hardpan -----	3	63	bearing -----	9	125

5N/9W-30N1. Mrs. Emma Norman. Drilled by J. L. Clugage in 1959. 12-inch casing 0-116 ft, no casing 116-124 ft, perforated 60-114 ft. Altitude about 3,310 ft.

Gravel and boulders, not cemented -----	22	22	Sand, gravel, and boulders, cemented-	94	116
			Granite, hard -----	8	124

5N/10W-5R1. Los Angeles County Waterworks District No. 27, formerly Peacan Park Estates. Drilled by Roscoe Moss Drilling Co. in 1930. 16-inch casing 0-412 ft, no casing 412-435 ft, perforated 130-390 ft. Altitude about 2,803 ft.

Soil, sandy -----	30	30	Shale -----	10	270
Boulders, cemented ---	74	104	Clay -----	60	330
Clay and boulders, cemented -----	31	135	Clay, streaked with sand -----	10	340
Sand, coarse-grained -	3	138	Clay -----	9	349
Clay -----	20	158	Sand -----	5	354
Sand, coarse-grained -	2	160	Clay -----	8	362
Clay -----	4	164	Gravel, small -----	9	371
Gravel, small -----	4	168	Clay -----	2	373
Clay, sandy -----	58	226	Sand, coarse-grained-	8	381
Gravel, small -----	3	229	Clay, hard -----	31	412
Clay -----	31	260	Granite -----	23	435

5N/10W-7E1. Los Angeles County Waterworks District No. 27, formerly the Calivalli Mutual Water Co. Drilled by Roscoe Moss Drilling Co. in 1928. 16-inch casing 0-518 ft, no casing 518-550 ft, perforated 145-510 ft. Altitude about 2,815 ft.

Clay, sandy, hard ----	10	10	Gravel, cemented ----	1	263
Sand and gravel -----	25	35	Sand and gravel, streaked with clay-	5	268
Gravel and boulders --	43	78	Clay, hard -----	10	278
Clay, sandy -----	92	170	Gravel and sand, streaked with clay-	22	300
Sand and gravel -----	32	202	Gravel, cemented, streaked with sand-	14	314
Clay, with sand -----	36	238	Clay and sand -----	206	520
Sand and gravel, streaked with clay -	10	248	Granite -----	30	550
Clay, hard -----	14	262			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/10W-7F1. Owner unknown, formerly owned by M. A. Connell. Drilled by F. Rottman in 1956. 6-inch casing 0-220 ft, perforated 182-220 ft. Altitude about 2,831 ft.

Sand and some clay ---	45	45	Clay, sandy -----	135	220
Sand and large rock --	40	85			

5N/10W-7P1. Los Angeles County Waterworks District No. 27, formerly the Calivalli Mutual Water Co. Drilled by Roscoe Moss Drilling Co. in 1928. 16-inch casing 0-625 ft, perforated 190-612 ft. Altitude about 2,873 ft.

Clay, sandy -----	4	4	Sand and gravel,		
Sand and gravel -----	54	58	hard, cemented ----	223	485
Boulders and gravel --	32	90	Sand -----	5	490
Clay, sandy -----	10	100	Clay and cemented		
Sand and gravel -----	60	160	sand -----	70	560
Clay, sandy -----	28	188	Sand, streaked with		
Sand and gravel -----	40	228	clay -----	5	565
Clay, sandy -----	16	244	Clay, hard -----	35	600
Sand and gravel -----	4	248	Sand and gravel -----	4	604
Clay, sandy -----	6	254	Granite rock -----	1	605
Sand and gravel,			Sand and gravel -----	5	610
streaked with clay -	8	262	Granite, decomposed -	15	625

5N/10W-7R1. Los Angeles County Waterworks District No. 27, formerly the Calivalli Mutual Water Co. Drilled by Roscoe Moss Drilling Co. in 1928. 16-inch casing 0-550 ft, perforated 210-540 ft. Altitude about 2,892 ft.

Clay, streaked with			Sand and gravel,		
gravel -----	30	30	streaked with clay-	57	265
Gravel -----	24	54	Clay, hard, streaked		
Boulders and gravel --	56	110	with sand -----	40	305
Clay, sandy -----	20	130	Sand and gravel -----	130	435
Sand and gravel -----	35	165	Sand and clay,		
Sand and gravel,			cemented -----	95	530
cemented -----	43	208	Granite, decomposed -	20	550



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/10W-10E1. Los Angeles County Waterworks District No. 24.  
 Drilled by Wilkinson-Greer Drilling Co. in 1960. 14-inch casing  
 0-258 ft, no casing 258-277 ft, perforated 110-245 ft. Altitude  
 about 2,835 ft.

Boulders and gravel --	30	30	Clay with coarse-		
Clay -----	24	54	grained sand -----	4	232
Gravel -----	12	66	Clay, sandy, hard ---	6	238
Clay -----	4	70	Granite, decomposed -	20	258
Clay, sandy -----	128	198	Granite, decomposed,		
Clay with coarse-			hard -----	5	263
grained sand -----	3	201	Granite and sand ----	5	268
Clay -----	11	212	Granite -----	6	274
Sand, coarse-grained -	16	228	Granite, hard -----	3	277

5N/10W-10E2. Los Angeles County Waterworks District No. 24  
 Drilled by Roscoe Moss Drilling Co. in 1959. 14-inch casing 0-406 ft,  
 no casing 406-422 ft, perforated 125-290 ft. Altitude about 2,831 ft.

Sand and gravel -----	38	38	Granite, decomposed -	9	293
Clay, brown, sandy ---	114	152	Sand, cemented, about		
Clay, brown, sandy,			70% quartz -----	67	360
and small gravel ---	22	174	Sand, cemented, with		
Clay, brown, with			some clay -----	55	415
coarse-grained sand-	80	254	Granite -----	5	420
Clay, brown, sandy,			Sand, cemented, with		
with gravel -----	30	284	some clay -----	2	422

5N/10W-14Z1. Los Angeles County Waterworks District No. 24.  
 Drilled by Midway Drilling & Pump Co. in 1959. No casing; hole was  
 filled in after electric log was obtained. Altitude about 2,980 ft.

Gravel, pea -----	40	40	Sand, fine, and some		
Sand and yellow clay -	50	90	yellow clay -----	50	280
Clay, yellow -----	20	110	Sand and some yellow		
Sand and some yellow			clay -----	70	350
clay -----	10	120	Sand, yellow, and		
Clay and some yellow			gray clay -----	140	490
sand -----	10	130	Sand, yellow, and a		
Sand and yellow clay -	80	210	little clay -----	120	610
Sand, fine, and			Sand, yellow, rocky,		
yellow clay -----	20	230	and gray shale ----	90	700



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/10W-15H1. Owner unknown, formerly S. F. Chambers. Drilled by Herbert Trueblood in 1947. 6-inch casing 0-150 ft, perforated 120-145 ft. Altitude about 2,926 ft.

Soil, gravel, and boulders -----	40	40	Clay -----	6	134
Clay -----	83	123	Sand and gravel, water-bearing -----	11	145
Sand, coarse-grained, and gravel, water- bearing -----	5	128	Clay, gray-blue -----	5	150

5N/10W-16G1. Reitha Williams. Drilled by V. A. Reed in 1951. 8-inch casing 0-190 ft, perforated 158-180 ft. Altitude about 2,953 ft.

Soil, with hard layers -----	160	160	Clay, sandy, hard, packed -----	10	190
Clay, sandy, porous, water-bearing -----	20	180			

5N/10W-16P2. Owner unknown, former owner C. G. Garmon. Drilled by G. W. Carl in 1954. 12-inch casing 0-48 ft, no casing 48-336 ft. Altitude about 3,020 ft.

Sand, coarse-grained -	35	35	Gravel, small -----	8	184
Sand, fine-grained ---	15	50	Clay, brown -----	152	336
Clay, brown -----	126	176			

5N/10W-17L1. Ray Stockton. Drilled by F. Rottman in 1960. 8-inch casing 0-370 ft, perforated 250-370 ft. Altitude about 2,955 ft.

Sand and gravel -----	50	50	Granite, decomposed, hard, very hard at bottom -----	40	370
Granite and decomposed granite -----	90	140			
Clay, sandy -----	190	330			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/10W-18G1. J. C. Embree. Drilled by F. Rottman in 1956.  
12-inch casing 0-525 ft, perforated 220-525 ft. Altitude about 2,902 ft.

Soil, sand, and rocks -----	12	12	Sand, loose, and gravel -----	22	227
Sand and large gravel-	20	32	Sand, coarse-grained, streaked with clay-	78	305
Sand, coarse-grained, and gravel -----	33	65	Sand and gravel -----	52	357
Rock, gravel, and sand -----	32	97	Sand, loose -----	13	370
Rocks and sand, streaked with clay -	38	135	Sand, fine-grained --	31	401
Rocks; sand, coarse- grained, and clay --	70	205	Sand, hard -----	13	414
			Rock -----	51	465
			Sand, fine-grained --	33	498
			Rock -----	27	525

5N/10W-19Z1. Los Angeles Waterworks District No. 24. Drilled by  
Western Well Drilling Co. in 1958. No casing. Well was filled after  
completion. Altitude about 3,152 ft.

Sand and boulders ----	15	15	Sand and boulders, hard -----	4	142
Sand and boulders, hard -----	15	30	Sand -----	2	144
Gravel and boulders, packed in clay -----	4	34	Sand, packed in clay-	11	155
Sand and boulders, hard -----	8	42	Clay, sandy, and gravel, soft -----	34	189
Gravel and boulders, packed in clay -----	3	45	Clay, yellow, sandy, hard streaks; signs of gas -----	17	206
Sand, coarse, and boulders -----	10	55	Clay, yellow, sandy -	3	209
Sand, hard, and boulders, packed in clay -----	12	67	Clay and boulders, yellow, hard, sandy-	9	218
Sand and boulders, packed in clay -----	19	86	Clay, yellow, sandy, hard -----	11	229
Sand and boulders, hard, packed in clay -----	11	97	Clay, yellow, sandy, soft -----	9	238
Sand, hard, and boulders, packed in clay -----	8	105	Sand, coarse, "tight" -----	4	242
Sand, packed in clay -	22	127	Clay, yellow, sandy -	36	278
Sand and boulders, packed in clay -----	3	130	Clay, yellow, sandy, hard -----	4	282
Sand -----	8	138	Sand, "tight," packed in clay ----	36	318
			Clay, yellow, sandy, hard -----	10	328

## 5N/10W-19Z1.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay, yellow, sandy, and few boulders ---	30	358	Clay, yellow, sandy, and boulders, very hard -----	14	414
Clay, yellow, sandy, and boulders -----	5	363	Clay, yellow, sandy, and boulders -----	1	415
Clay, yellow, sandy, and few boulders ---	5	368	Sand and boulders, with a little clay-	10	425
Clay, yellow, sandy, hard -----	32	400	Granite, decomposed, and clay, hard ----	7	432

5N/10W-21H1. E. E. Debs. Drilled by V. A. Reed in 1954. 12-inch casing 0-96 ft, no casing 96-101 ft. Altitude about 3,071 ft.

Top soil -----	18	18	Sandstone -----	1	50
Sand -----	11	29	Hardpan -----	17	67
Hardpan -----	4	33	Clay, soft, gray, water-bearing ----	4	71
Hardpan, sandy -----	3	36	Granite, decomposed -	30	101
Hardpan -----	13	49			

5N/10W-23N3. Chase. Drilled by Roscoe Moss Drilling Co. in 1927. 16-inch casing 0-128 ft, perforated 40-126 ft. Altitude about 3,129 ft.

Top soil -----	10	10	Gravel, slightly cemented -----	22	92
Gravel -----	4	14	Sandstone, soft ----	4	96
Granite, decomposed --	23	37	Gravel, lightly cemented with some boulders at bottom-	32	128
Gravel, coarse- grained -----	33	70			

5N/10W-23Z1. C. A. Horn. Drilled by Waddell in 1948. 14-inch casing 0-307 ft. Altitude about 3,087 ft.

Soil -----	90	90	Clay, blue-gray, soft -----	32	307
Granite -----	185	275			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/10W-23Z3. C. A. Horn. Drilled by Waddell in 1948. 8-inch casing 0-136 ft. Altitude about 3,090 ft.

Top soil -----	3	3	Clay and decomposed granite, hard -----	4	100
Top soil, gravel, and clay -----	10	13	Gravel and clay -----	34	134
Clay, soil, and rock -	57	70	Granite and clay, hard formation ----	2	136
Clay with gravel, water-bearing -----	26	96			

5N/10W-23Z4. Owner unknown, former owner G. C. Chase. Driller unknown; drilled about 1920. 10-inch casing 0-68 ft. Altitude about 3,098 ft.

Mixed top material -----	38	38	Gravel, water-bearing -----	30	68
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5N/10W-26B3. C. McCollister. Drilled by V. A. Reed in 1950. 12-inch casing 0-115 ft, perforated 42-90 ft. Altitude about 3,175 ft.

Sand and clay, hard, packed -----	38	38	Gypsum and decomposed rock -----	33	85
Sand -----	2	40	Limestone, hard -----	30	115
Gravel and decomposed rock, some water ---	12	52			

5N/10W-26G4. Gordon L. Wadsworth. Driller unknown; deepened by V. A. Reed in 1950 from 93 to 175 ft. 10-inch casing 0-175 ft, perforated 35-45 ft and 84-167 ft. Altitude about 3,246 ft.

No record -----	93	93	Rock, clay, and gypsum, decomposed-	54	175
Clay, blue -----	28	121			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/10W-34P1. E. Andrews. Drilled by R. R. Rogers in 1955.  
6-inch casing 0-346 ft, perforated 280-340 ft. Altitude about 3,552 ft.

Top soil -----	3	3	Clay, gray, and		
Gravel, cemented -----	41	44	decomposed granite-	18	261
Sandstone, gray -----	43	87	"Broken-rock		
Sandstone, hard -----	1	88	seepage" -----	13	274
Granite, decomposed,			Clay, gray, and		
and clay -----	21	109	decomposed granite-	13	287
Granite, decomposed,			"Broken-rock		
"tight" -----	76	185	seepage" -----	16	303
"Broken seepage" -----	6	191	"Possible seepage" --	8	311
Granite, decomposed,			Rock, gray -----	35	346
"tight" -----	52	243			

5N/11W-1M1. Peter Kiewit & Sons Co. Drilled by Brenton & Rogers  
in 1955. 14-inch casing 0-392 ft, no casing 392-414 ft, perforated  
100-364 ft. Altitude about 2,738.5 ft.

Sand and boulders ----	20	20	Clay, brown, and		
Cobblestones,			hardpan -----	33	228
cemented -----	40	60	Clay, brown, sandy,		
Clay, brown, "less			possible water ----	32	260
cobblestones" -----	33	93	Hardpan -----	12	272
Clay, sandy, hard,			Clay, brown, sticky -	8	280
packed -----	15	108	Clay and brown hard-		
Clay, sandy, with			pan, very hard ----	38	318
water stringers ----	4	112	Sandstone, hard ----	27	345
Clay, brown, sandy,			Clay, brown, and		
possible water -----	18	130	hardpan -----	18	363
Clay, brown -----	30	160	Sandstone, hard ----	17	380
Clay, brown, sandy,			Granite, decomposed -	34	414
possible water -----	35	195			

5N/11W-1Z1. Little Rock Irrigation District. Drilled by J. L.  
Clugage in 1952. Casing pulled and well destroyed. Formerly 14-inch  
casing 0-220 ft, 8-inch casing 220-276 ft. Altitude about 2,768 ft.

Soil -----	20	20	Sand and gravel, -		
Boulders -----	40	60	yellow, cemented --	27	233
Clay, yellow, and			Sand and gravel,		
silt -----	146	206	blue, cemented ----	39	272
			Granite, gray -----	4	276

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/11W-2Q1. John M. Ferry Rock Plant. Drilled by J. L. Clugage in 1945. 12-inch casing 0-323 ft, perforated 170-190 ft and 240-319 ft. Altitude about 2,770 ft.

Sand and boulders ----	40	40	Clay -----	62	242
Clay and boulders ----	57	97	Clay, sand, and		
Silt and clay -----	73	170	gravel, interbedded-	77	319
Sand -----	10	180	Clay, hard -----	4	323

5N/11W-4N1. Strausberg, formerly L. C. Whitney. Drilled by J. L. Clugage in 1946. 8-inch casing 0-400 ft, perforated 195-400 ft. Altitude about 2,752 ft.

Sand and clay mixture -----	400	400
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5N/11W-4R2. Great Western Land Co., formerly Homer Adams. Drilled by V. A. Reed in 1949. 10-inch casing 0-300 ft, perforated 140-280 ft. Altitude about 2,755 ft.

Top soil -----	4	4	Hardpan -----	24	59
Cobbles and sandy clay -----	10	14	Clay, brown, medium -	15	74
Boulders -----	2	16	Hardpan -----	8	82
Cobbles and sandy clay -----	14	30	Clay, brown, medium -	85	167
Sand, coarse, and clay, loose -----	5	35	Clay, sandy, medium, with 3- to 4-inch layers of hard sandstone -----	133	300

5N/11W-5D1. Owner unknown, former owner Clark Cook Ranch. Drilled by Jacobs in 1917. Altitude about 2,690 ft.

Surface -----	6	6	Sand and gravel, water-bearing -----	4	179
Granite, decomposed --	22	28	Clay, soft -----	12	191
Gravel -----	12	40	Sand and gravel, water-bearing -----	6	197
Granite, decomposed --	25	65	Clay and cement -----	8	205
Clay, sandy -----	35	100	Sand and gravel, water-bearing -----	20	225
Clay, soft -----	45	145	Clay and cement -----	24	249
Sand, coarse, water- bearing -----	3	148			
Clay, soft -----	27	175			

5N/11W-5D1.--Continued.

Thickness Depth		Thickness Depth	
(feet)	(feet)	(feet)	(feet)
Gravel, water-bearing -----	6	255	
Sand -----	15	270	
Gravel, water-bearing -----	25	295	
Granite rock -----	108	403	

5N/11W-5F1. Palmdale Irrigation District. Drilled by F. Rottman in 1960. 14-inch casing 0-550 ft, no casing 550-585 ft, perforated 220-550 ft. Altitude about 2,711 ft.

Surface soil -----	20	20	Clay, sandy -----	65	335
Sand -----	20	40	Sand, coarse, and clay -----	25	360
Sand, coarse-grained -	35	75	Sand, coarse-grained-	100	460
Sand and boulders ----	30	105	Sand, coarse, and boulders -----	15	475
Sand, coarse, and boulders -----	30	135	Sand, coarse-grained-	40	515
Sand, hard, packed ---	30	165	Sand and boulders ---	10	525
Sand -----	15	180	Boulders -----	10	535
Sand, coarse-grained -	37	217	Sand, packed, and boulders -----	5	540
Clay, sandy -----	18	235	Bedrock -----	10	550
Sand and boulders ----	17	252	Rock -----	35	585
Sand, coarse-grained -	18	270			

5N/11W-9C1. Los Angeles County, formerly B. J. Frank. Drilled by J. L. Clugage in 1946. 8-inch casing 0-250 ft, perforated 200-250 ft. Altitude about 2,756 ft.

Sand and clay mixture -----	250	250
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5N/11W-9D1. L. H. Harned. Drilled by J. L. Clugage in 1946. 8-inch casing 0-300 ft, perforated 215-300 ft. Altitude about 2,777 ft.

Sand and clay mixture -----	300	300
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Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/11W-10H1. Blue Diamond Corp. 12-inch casing 0-500 ft, perforated 165-175 ft. Altitude about 2,795 ft.

Gravel -----	55	55	Sand -----	5	170
Clay -----	110	165	Clay -----	330	500

5N/11W-12J1. Little Rock Irrigation District. 14-inch casing 0-512 ft, no casing 512-648 ft, perforated 145-500 ft. Altitude about 2,810 ft.

Soil -----	26	26	Sand, gravel, and		
Boulders and gravel --	65	91	clay -----	82	308
Gravel, loose -----	5	96	Clay and sand, hard -	36	344
Clay, hard -----	9	105	Sand and silt -----	4	348
Sand, gravel, and			Clay and sand, hard -	34	382
soft clay -----	94	199	Sand, gravel, and		
Clay, hard -----	7	206	clay -----	58	440
Sand, gravel, and			Clay, hard -----	66	506
clay -----	12	218	Clay, hard; cemented		
Clay, hard -----	8	226	clay, and sand ----	142	648

5N/11W-12J2. Little Rock Irrigation District. 14-inch casing 0-362 ft, 12-inch casing 359-483 ft, perforated 253-356 ft. Altitude about 2,807 ft.

Soil -----	23	23	Clay, hard, and		
Boulders and gravel --	51	74	gravel -----	31	284
Clay, sandy -----	115	189	Gravel, hard, sharp -	34	318
Clay, yellow, hard ---	54	243	Sand and clay, hard -	78	396
Clay, very hard -----	6	249	Sand, gray, hard,		
Clay, soft, and			cemented -----	65	461
gravel -----	4	253	Clay and fine-grained		
			sand, hard -----	22	483



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/11W-13B1. Little Rock Irrigation District. 14-inch casing 0-656 ft, perforated 190-625 ft. Altitude about 2,845 ft.

Soil -----	8	8	Clay and gravel		
Clay and gravel -----	48	56	mixture -----	559	656
Boulders, gravel, and clay -----	41	97			

5N/11W-13G1. A. K. Sweet. Deepened by J. L. Clugage in 1943. 12-inch casing 0-252 ft, 10-inch casing 0-380 ft, perforated 252-363 ft. Altitude about 2,897 ft.

No record -----	252	252	Clay and sand, hard -	86	360
Clay, sandy, hard ----	2	254	Bedrock, pink		
Clay, sandy -----	6	260	decomposed		
Sand and gravel -----	10	270	granite -----	20	380
Clay, yellow, with sand -----	4	274			

5N/11W-13J1. Little Rock Irrigation District. Drilled by J. L. Clugage in 1943. 14-inch casing 0-365 ft, no casing 365-377 ft, perforated 240-365 ft. Altitude about 2,913 ft.

Soil -----	11	11	Clay and gravel -----	72	178
Clay, brown -----	8	19	Sand and gravel -----	19	197
Boulders -----	29	48	Sand, gravel, and clay,		
No entry -----	29	77	not water-bearing -	43	240
Clay, brown, and gravel -----	18	95	Sand and gravel -----	17	257
Silt, sand, and gravel -----	11	106	Clay, sandy, hard ---	109	366
			Granite, pink, decomposed -----	11	377

5N/11W-13K1. Little Rock Irrigation District. Drilled by J. L. Clugage in 1943. 14-inch casing 0-360 ft, 12-inch casing 360-488 ft, perforated 190-488 ft. Altitude about 2,890 ft.

Soil -----	9	9	Gravel and rocks ----	16	262
Clay, gravel, and boulders -----	186	195	Clay, sandy, hard ---	188	450
Clay, sandy, hard ----	51	246	Granite, decomposed, and clay, hard ----	38	488

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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5N/11W-13Z1. Owner unknown, former owner Olaf Lewis. Drilled by J. C. McCowan in 1924. 14-inch casing 0-288 ft. Altitude about 2,910 ft.

Sand, coarse-grained -	33	33	Sand, gravel, and		
Sand and silt -----	59	92	clay; mixture -----	196	288

5N/11W-14A1. George Bones. Drilled by V. A. Reed in 1951. 12-inch casing 0-362 ft, no casing 362-408 ft, perforated 60-335 ft. Altitude about 2,874 ft.

Top soil -----	8	8	"Softer with no		
Boulders, cemented ---	110	118	boulders" -----	15	243
Clay, sandy, porous,			"Hard spots or		
water-bearing -----	1	119	layers" -----	26	269
Hardpan -----	1	120	Sand and clay,		
Sand, hard, dry, with			slightly softer ---	21	290
very little clay ---	10	130	Sand and clay, with		
"Open vein" -----	1	131	gravel, soft -----	15	305
Hardpan -----	24	155	Sand and gravel,		
Clay, brown, sandy,			some clay -----	14	319
hard -----	30	185	Hardpan and clay,		
Clay, brown, sandy,			brown -----	21	340
hard layers -----	9	194	Gravel, cemented		
Clay, brown, sandy,			in hardpan -----	19	359
softer -----	16	210	Sand, dry, similar		
Hardpan with separated			to sandstone -----	49	408
boulders -----	18	228			

6N/8W-21J1. Dr. C. G. Woodhull. Drilled by F. Rottman in 1950. 12-inch casing 0-181 ft, perforated 72-181 ft. Altitude about 2,868 ft.

Sand -----	25	25	Sand and gravel -----	30	150
Sand and clay -----	25	50	Boulders and clay ---	10	160
Gravel -----	25	75	Clay and gravel -----	10	170
Clay and gravel -----	25	100	Rock -----	11	181
Clay -----	20	120			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/8W-26P1. Gray Butte Ranch. Drilled by R. & C. Drilling Co. in 1946. 16-inch casing 0-441 ft, 10-inch casing 441-537 ft, no casing 537-550 ft, perforated 127-439 ft and 441-537 ft. Altitude about 2,968 ft.

Surface soil (sand) --	44	44	Sand and gravel -----	13	376
"Quicksand" -----	15	59	Clay, red -----	11	387
Clay, blue -----	55	114	Sand and gravel -----	11	398
Sand and gravel -----	12	126	Clay, red -----	7	405
Clay, blue -----	38	164	Sand and gravel -----	19	424
Clay, sandy -----	12	176	Boulders -----	2	426
Sand and gravel -----	11	187	Gravel -----	7	433
Clay, sandy -----	15	202	Boulders -----	2	435
Gravel -----	20	222	Sand and gravel -----	10	445
Clay -----	23	245	Gravel, hard -----	12	457
Sand and gravel -----	22	267	Sand, hard -----	55	512
Clay -----	5	272	Sand and boulders ---	5	517
Sand -----	8	280	Sand, hard -----	16	533
Clay, blue -----	4	284	Sand, hard, and		
Sand -----	19	303	boulders -----	5	538
Gravel -----	16	319	Sand, hard -----	10	548
Sand -----	7	326	Granite -----	2	550
Clay, red -----	37	363			

6N/8W-27J1. Gray Butte Ranch. Drilled by F. Rottman in 1946. 16-inch casing 0-361 ft, perforated 120-361 ft. Altitude about 2,946 ft.

Sand -----	15	15	Rocks, "cement" -----	50	270
Clay -----	15	30	Clay, "broken		
Clay and rock -----	40	70	formation" -----	50	320
Sand and gravel -----	5	75	Clay and "cement		
Clay -----	37	112	rock" -----	20	340
Sand -----	15	127	Clay -----	15	355
Clay -----	53	180	Sand -----	6	361
Clay and small rocks -	40	220	Rocks -----		361+

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/8W-30G1. Math Barth. Drilled by Evans Bros. Drilling Co. in 1957. 8-inch casing 0-259 ft, perforated 159-259 ft. Altitude about 2,829 ft.

Surface sand -----	30	30	Gravel -----	22	150
Clay -----	19	49	Gravel with clay		
Shale, brown -----	11	60	streaks -----	28	178
Sand, coarse-grained -	8	68	Shale, brown -----	11	189
Clay -----	8	76	Gravel -----	6	195
Gravel -----	9	85	Clay -----	11	206
Clay -----	14	99	Gravel -----	11	217
Gravel -----	7	106	Clay and streaks of		
Clay and streaks of			gravel -----	22	239
gravel -----	8	114	Gravel, fine -----	12	251
Shale -----	14	128	Sand, fine-grained --	8	259

6N/8W-30M2. Hugh R. Moore. Drilled by F. Rottman in 1957. 8-inch casing 0-285 ft, perforated 185-285 ft. Altitude about 2,839 ft.

Sand -----	25	25	Sand, coarse-grained-	10	150
Clay and sand -----	25	50	Sand, coarse, and		
Gravel, coarse -----	20	70	clay -----	35	185
Shale, brown, and			Boulders, small, and		
sand -----	10	80	clay -----	10	195
Shale -----	10	90	Sand, coarse, and		
Gravel, coarse-			clay -----	20	215
grained -----	15	105	Boulders and clay ---	15	230
Gravel, coarse, and			Granite, decomposed -	44	274
fine sand -----	10	115	Sand, hard, packed --	11	285
Shale, brown, and					
coarse gravel -----	25	140			

6N/9W-3D1. Maurice Carter. Drilled by Fred Miller in 1955. 12-inch casing 0-310 ft, perforated 110-310 ft. Altitude about 2,594 ft.

Sandy loam -----	10	10	Sand and clay -----	10	160
Sand -----	40	50	Sand -----	30	190
Gravel -----	10	60	Clay -----	10	200
Sand, hard -----	10	70	Sand -----	50	250
Sand -----	10	80	Clay -----	10	260
Sand, hard -----	10	90	Sand -----	40	300
Gravel -----	40	130	Gravel; bottom on		
Clay -----	10	140	rock -----	10	310
Gravel and clay -----	10	150			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/9W-6Q1. Doll Matay. Drilled by J. L. Clugage in 1953. 8-inch casing 0-205 ft, perforated 150-202 ft. Altitude about 2,607 ft.

Sand, fine, and silt -----	32	32	Sand, clean, coarse -----	25	176
Clay, sand, and gravel -----	119	151	Sand, gravel, and clay -----	29	205

6N/9W-7J1. Moscosco Ranch. Drilled by Evans Bros. Drilling Co. in 1961. 14-inch casing 0-243 ft, perforated 163-243 ft. Altitude about 2,618 ft.

Surface sand -----	20	20	Sand, coarse, with streaks of clay ---	122	212
Boulders, small, and sand -----	5	25	Rock -----	31	243
Sand, hard, and gravel, with streaks of clay -----	65	90			

6N/9W-10D1. C. S. Chapman. Drilled by F. Rottman in 1960. 14-inch casing 0-360 ft, perforated 130-360 ft. Altitude about 2,629 ft.

Top soil -----	10	10	Sand and clay streaks -----	20	250
Clay, sandy -----	40	50	Sand and clay -----	60	310
Sand and clay streaks-	30	80	Gravel and sand -----	30	340
Clay, sandy -----	40	120	Sand, hard, packed --	30	370
Sand, coarse, and clay -----	110	230	Sandstone -----	22	392

6N/9W-10Q1. C. S. Chapman. Drilled by F. Rottman in 1960. 14-inch casing 0-320 ft, perforated 180-320 ft. Altitude about 2,656 ft.

Surface soil -----	30	30	Gravel, sand, and clay -----	60	255
Sand and gravel -----	70	100	Gravel, coarse, and sand -----	35	290
Gravel, coarse, and sand -----	65	165	Sand, hard, packed --	30	320
Gravel and clay streaks -----	30	195			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/9W-21J1. Blue & Rizzo Ranch. Drilled by F. Rottman in 1961.  
14-inch casing 0-738 ft, no casing 738-776 ft, perforated 188-738 ft.  
Altitude about 2,740 ft.

Gravel, coarse, and sand -----	73	73	Sand, hard, packed, and clay streaks --	60	250
Sand, fine, and clay -	30	103	Clay, sandy, and gravel -----	60	310
Clay, sandy, hard, packed -----	30	133	Sand, gravel, and clay -----	30	340
Sand, coarse, and gravel -----	22	155	Clay, brown -----	40	380
Clay, and sand streaks -----	10	165	Sand, coarse, and gravel -----	370	750
Sand and gravel, hard, packed -----	25	190	Clay, sandy, hard, packed -----	26	776

6N/9W-28H1. S. Thomas. Drilled by J. L. Clugage in 1956. 8-inch casing 0-270 ft, perforated 187-265 ft. Altitude about 2,781 ft.

Silt and sand -----	36	36	Gravel, clay, and sand -----	4	197
"Hard lime" and clay -	34	70	Clay -----	34	231
Sand, fine, and clay -	105	175	Clay, hard, with small strata of gravel -----	39	270
Clay -----	13	188			
Gravel -----	1	189			
Clay -----	4	193			

6N/9W-28K1. Clarence Shetler. Drilled by F. Rottman in 1961.  
14-inch casing 0-704 ft, perforated 219-704 ft. Altitude about 2,798 ft.

Top soil -----	21	21	Rocks and clay -----	35	215
Sand with clay streaks -----	17	38	Sand, coarse, and clay -----	15	230
Sand and rocks -----	49	87	Gravel and clay -----	4	234
Sand, rocks, and clay -----	20	107	Clay, soft -----	27	261
Clay, sandy -----	32	139	Gravel with clay streaks -----	19	280
Sand with clay streaks -----	33	172	Clay, soft -----	11	291
Sand, coarse, and clay -----	8	180	Gravel with clay streaks -----	14	305
			Clay, soft -----	15	320

## 6N/9W-28K1.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand, hard -----	10	330	Gravel, sandy -----	88	573
Rocks and clay streaks -----	20	350	Gravel, sandy, and rocks -----	49	622
Boulders -----	4	354	Sand with clay streaks -----	38	660
Clay and sand -----	16	370	Sand -----	3	663
Clay and boulders ----	9	379	Sand, hard -----	5	668
Clay and fine sand ---	40	419	Rocks and sand streaks -----	30	698
Gravel and clay streaks -----	31	450	Sand, hard -----	20	718
Gravel and clay -----	35	485			

6N/9W-28N1. Clarence Shetler. Deepened by J. L. Clugage in 1955.  
14-inch casing 0-283 ft, perforated 80-280 ft. Altitude about 2,807 ft.

No record -----	159	159	Sand and clay, hard -	21	219
Sand and coarse gravel -----	29	188	Sand and clay, soft -	62	281
Sand and clay, soft --	10	198	Clay, gray, hard ----	2	283

6N/9W-29E1. Walter McEwen, formerly Ray Morse. Drilled by Fred  
Miller in 1956. 14-inch casing 0-185 ft, perforated 96-185 ft.  
Altitude about 2,773 ft.

Top soil -----	10	10	Clay -----	10	140
Sand -----	20	30	Sand, fine -----	10	150
Gravel -----	55	85	Gravel -----	20	170
Clay, red -----	15	100	Sand and clay -----	5	175
Sand, coarse -----	20	120	Gravel, bottom on granite -----	10	185
Sand, fine -----	10	130			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/9W-29G1. Walter McEwen, formerly Norman Rankin. Drilled by Roberts in 1947. 14-inch casing 0-231 ft, perforated 87-231 ft. Altitude about 2,781 ft.

Sand and gravel -----	50	50	Sand and clay -----	20	150
Clay and gravel -----	20	70	Gravel and clay -----	20	170
Gravel, heavy -----	20	90	Sand -----	20	190
Clay, heavy, and gravel -----	10	100	Gravel -----	15	205
Gravel and clay -----	30	130	Rock -----	26	231

6N/9W-29G2. Walter McEwen, formerly Norman Rankin. 12-inch casing 0-236 ft, perforated 84-236 ft. Altitude about 2,781 ft.

Sand and clay -----	50	50	"Heavy sand" -----	35	170
Sand -----	20	70	Clay and sand -----	30	200
Clay and sand -----	20	90	Rock, hard -----	15	215
Gravel, pea -----	3	93	Sand -----	4	219
Clay and gravel -----	22	115	Rock, hard -----	17	236
Gravel -----	20	135			

6N/9W-33H1. Blua & Rizzo Ranch. Drilled by Fred Miller in 1955. 14-inch casing 0-440 ft, perforated 200-440 ft. Altitude about 2,819 ft.

Sandy loam surface ---	10	10	Gravel -----	10	170
Gravel -----	10	20	Clay -----	20	190
Gravel and boulders --	20	40	Gravel -----	30	220
Boulders -----	10	50	Clay and gravel -----	10	230
Gravel and rock -----	10	60	Clay and rock -----	20	250
Sand and rock -----	10	70	Sand and gravel -----	10	260
Clay, brown -----	10	80	Clay, sticky -----	20	280
Sand -----	10	90	Clay, brown, sticky -	50	330
Clay -----	10	100	Sand, quartz -----	20	350
Sand -----	20	120	Gravel -----	40	390
Gravel -----	10	130	Clay and gravel -----	10	400
Clay -----	20	150	Rock -----	10	410
Gravel -----	5	155	Rock -----	20	430
Clay -----	5	160	Granite -----	10	440



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/9W-33P1. J. Fendell. Drilled by F. Rottman in 1953. 14-inch casing 0-370 ft, perforated 130-370 ft. Altitude about 2,860 ft.

"Surface formation" --	15	15	Sand and clay -----	25	215
Sand -----	15	30	Boulders, sand, and		
Boulders -----	3	33	clay -----	18	233
Sand -----	17	50	Sand and clay, hard -	13	246
Sand, coarse -----	17	67	Boulders, sand, and		
Clay -----	8	75	clay -----	34	280
Clay, sandy -----	15	90	Gravel and clay -----	25	305
Clay -----	15	105	Clay and sand -----	13	318
Gravel -----	15	120	Clay and hard		
Clay, sandy -----	15	135	sand -----	27	345
Boulders -----	10	145	Sandstone, hard -----	25	370
Sand, hard -----	20	165			
Gravel and boulders --	25	190			

6N/10W-19Q1. Palmrock Ranch. Drilled by Evans Bros. Drilling Co. in 1948. 16-inch casing 0-412 ft. Altitude about 2,626 ft.

Sand and gravel -----	114	114	Clay with streaks		
Rock -----	8	122	of sand -----	21	296
Sand and gravel, with			Sand, gravel, and a		
streaks of clay ----	39	161	little clay -----	44	340
Clay -----	29	190	Sand and gravel -----	65	405
Gravel, coarse -----	35	225	Rock -----	8	413
Sand, with streaks					
of clay -----	50	275			

6N/10W-29D1. Sun Village Water Improvement Co. Drilled by F. Rottman in 1957. 12-inch casing 0-330 ft, perforated 180-295 ft. Altitude about 2,633.5 ft.

Sand and gravel -----	38	38	Sand and clay		
Sand -----	21	59	streaks -----	27	225
Sand, and coarse			Sand -----	42	267
gravel -----	17	76	Rocks and sand -----	25	292
Rocks and sand -----	44	120	Sand, and clay		
Sand, coarse -----	23	143	streaks -----	25	317
Sand -----	27	170	Sand, hard -----	8	325
Sand, gravel, and			"Test hole only" ----	75	400
clay streaks -----	28	198			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/10W-30J1. Owner unknown, former owner J. Carbo. Drilled by Brenton & Rogers in 1955. 6-inch casing 0-205 ft, perforated 138-185 ft. Altitude about 2,649 ft.

Top soil -----	43	43	Hardpan -----	13	178
Cobblestone -----	22	65	Gravel, water-bearing-	6	184
Sand and gravel -----	26	91	Hardpan -----	13	197
Gravel, cemented -----	71	162	Gravel, water-bearing-	5	202
Sand, water-bearing --	3	165	Hardpan -----	3	205

6N/10W-30J3. Hitch Trailer Court. Drilled by Evans Bros. Drilling Co. in 1955. 8-inch casing 0-352 ft, perforated 200-352 ft. Altitude about 2,650 ft.

Surface sand -----	10	10	Clay -----	20	200
Gravel -----	40	50	Sand and streaks		
Cobblestone and			of clay -----	35	235
gravel -----	25	75	Clay -----	20	255
Sand and streaks of			Sand and streaks		
gravel -----	70	145	of clay -----	47	302
Sand -----	35	180	Sand, coarse -----	50	352

6N/10W-32F1. Owner unknown, former owner Bancroft. 16-inch casing. Altitude about 2,692 ft.

Soil -----	30	30	Granite, hard,		
Gravel, "dry" -----	60	90	decomposed -----	100	230
Clay, "tight" -----	30	120	"Hard rock with		
Sand, water-bearing --	10	130	seams" -----	470	700

6N/10W-32H1. Sun Valley Baptist Church. Drilled by J. L. Clugage in 1958. 8-inch casing 0-160 ft, perforated 96-125 ft. Altitude about 2,692.5 ft.

"Top soil clay" -----	27	27	Clay, yellow, and		
Clay, yellow, and			sand -----	12	102
boulders -----	37	64	Gravel -----	7	109
Gravel, coarse, and			Sand and gravel,		
clay -----	26	90	gray, cemented ----	51	160

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/10W-34D1. Sun Village Water Improvement Co. Drilled by Ray Girard in 1954. 8-inch casing 0-300 ft. Altitude about 2,706 ft.

Sand -----	15	15	Rock -----	3	215
Sand and gravel -----	80	95	Clay and boulders ---	10	225
Rock -----	30	125	Sandstone -----	15	240
Clay and gravel -----	8	133	Rock -----	5	245
Rock -----	18	151	Clay and boulders ---	5	250
Sandstone -----	56	207	Rock -----	5	255
"Ledge rock" -----	2	209	Clay, rock, and		
Sandstone -----	3	212	blue clay -----	45	300

6N/10W-34F1. Sun Village Water Improvement Co. Drilled by F. Rottman in 1955. 10-inch casing 0-245 ft, no casing 245-255 ft, perforated 119-245 ft. Altitude about 2,729 ft.

Sand, fine -----	30	30	Clay and coarse		
Sand, fine, some			sand -----	20	185
coarse -----	10	40	Sand, coarse, and		
Gravel, pea -----	45	85	streaks of clay ---	20	205
Gravel and clay -----	5	90	Boulders -----	5	210
Gravel, pea -----	10	100	Boulders and sand ---	10	220
Gravel, pea, and			Sand, coarse, and		
some fine -----	25	125	streaks of clay ---	15	235
Sand, coarse -----	20	145	Clay with a little		
Sand and streaks of			sand -----	10	245
clay -----	20	165	Granite -----	10	255

6N/10W-36N1. Sonny Burgin. Drilled by J. L. Clugage in 1954. 8-inch casing 0-210 ft, perforated 180-205 ft. Altitude about 2,772.5 ft.

Sand and gravel -----	9	9	Clay, gray, hard ----	31	149
Sand, gravel, and			Clay, yellow -----	21	170
clay -----	63	72	Sand, fine, and		
Sand, fine -----	6	78	gravel -----	10	180
Sand, gravel, and			Sand and gravel -----	25	205
clay -----	40	118	Clay, yellow -----	5	210

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-1B1. Crestmore Village Water Co. Drilled by F. Rottman in 1955. 14-inch casing 0-460 ft, perforated 256-460 ft. Altitude about 2,500 ft.

Surface soil -----	50	50	Gravel and boulders -	10	290
Sand, loose -----	20	70	Sand, coarse -----	20	310
Sand -----	20	90	Sand, hard, packed --	20	330
Sand and clay -----	20	110	Sand and clay -----	20	350
Sand and clay streaks -----	20	130	Boulders and coarse gravel -----	20	370
Sand and rocks -----	20	150	Sand, coarse, and clay -----	20	390
Sand and boulders ----	20	170	Clay -----	10	400
Sand, hard -----	20	190	Clay and some boulders -----	20	420
Sand and clay, hard --	20	210	Boulders and gravel -	20	440
Sand and gravel -----	20	230	Boulders, gravel, and rock -----	10	450
Gravel and clay -----	20	250	Rock -----	10	460
Gravel, sand, and clay -----	20	270			
Gravel -----	10	280			

6N/11W-3D1. L. W. Sapp. Drilled by Evans Bros. Drilling Co. in 1955. 8-inch casing 0-450 ft, perforated 250-450 ft. Altitude about 2,484 ft.

Surface soil and sand -----	75	75	Sand -----	190	350
Sand and thin streaks of clay -----	85	160	Sand and occasional boulders -----	97	447
			Clay -----	3	450

6N/11W-3E2. F. J. Michiels. Drilled by Evans Bros Drilling Co. in 1960. 16-inch casing 0-700 ft, perforated 325-700 ft. Altitude about 2,493 ft.

Sand and gravel -----	40	40	Sand, hard, and streaks of clay ----	55	273
Sand and clay -----	20	60	Sand, hard -----	8	281
Clay, sandy -----	20	80	Sand, soft, and clay-	13	294
Sand, hard, and streaks of clay ----	74	154	Sand, hard -----	61	355
Sand with streaks of sandy clay -----	9	163	Sand and clay -----	15	370
Gravel and streaks of sand -----	55	218	Sand, hard -----	8	378
			Sand and clay -----	22	400
			Sand, soft -----	15	415

Thickness Depth			Thickness Depth		
	(feet)	(feet)		(feet)	(feet)
Sand, hard -----	8	423	Sand and streaks of		
Sand -----	22	445	clay -----	46	595
Sand and streaks of			Clay -----	13	608
clay -----	61	506	Clay and thin streaks		
Gravel and sand -----	7	513	of sand and gravel-	42	650
Clay and sand -----	11	524	Clay, sandy -----	18	668
Gravel and sand -----	13	537	Sand, hard -----	10	678
Clay -----	12	549	Sand and gravel, with		
			streaks of clay ---	22	700

6N/11W-4H1. F. J. Michiels. Drilled by A. Lyon in 1936. 20-inch casing 0-722 ft, perforated 170-650 ft. Altitude about 2,489 ft.

No record -----	--	--	Sand, coarse, and		
Soil, sand, and clay -		170	gravel -----	14	436
Gravel, "very good" --	5	175	Clay -----	12	448
Clay and sand -----	23	198	Gravel, "good" -----	4	452
Sand and red "muck" --	6	204	Clay, hard, sticky --	8	460
Sand and coarse			Gravel, "good" -----	20	480
gravel -----	6	210	Clay -----	16	496
Clay and sand -----	4	214	Gravel, "good" -----	6	502
Gravel with streaks			Clay, hard, sandy ---	41	543
of clay -----	6	220	Silt, packed -----	5	548
Clay -----	1	221	Clay, hard, sticky,		
Gravel, "good" -----	5	226	sandy -----	14	562
Clay, hard -----	2	228	Gravel, "good" -----	6	568
Sand and gravel -----	6	234	Clay, hard -----	8	576
Clay -----	4	238	Gravel, "good" -----	2	578
Sand, "muck" and a			Clay, "gravelly" ----	36	614
little gravel -----	19	257	Granite, decomposed,		
Clay -----	7	264	and clay -----	4	618
Sand, "mucky" -----	18	282	Clay and gravel -----	6	624
Clay -----	52	334	Gravel, "good" -----	4	628
Sand, "mucky" -----	4	338	Clay, hard; sand,		
Clay, hard -----	2	340	and gravel -----	12	640
Gravel -----	4	344	Sand and gravel -----	7	647
Clay and "mucky sand"-	38	382	Clay, sandy, hard ---	11	658
Gravel -----	2	384	Gravel, "loose" -----	4	662
Clay -----	16	400	Clay, sandy, hard ---	30	692
Gravel -----	2	402	Clay, sticky, with		
Clay -----	6	408	"mucky streaks" ---	10	702
Gravel -----	2	410	Clay and rock -----	6	708
Clay, sandy -----	6	416	Shale, brown -----	11	719
Sand -----	2	418	Clay, sandy, hard ---	3	722
Clay, hard -----	4	422			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-5N1. U.S. Air Force, formerly Mrs. Fredine. Drilled by F. Rottman in 1945. 14-inch casing 0-215 ft, 10-inch perforated casing 204-504 ft. Altitude about 2,499 ft.

Clay -----	14	14	Clay and rock -----	3	308
Clay and boulders ----	21	35	Clay -----	17	325
Sand, hard -----	5	40	Boulders and sand ---	3	328
Clay and boulders ----	50	90	Clay -----	12	340
Sand -----	3	93	Boulders and sand ---	5	345
Clay and boulders ----	47	140	Clay, soft -----	10	355
Rock -----	10	150	Clay, hard -----	10	365
Clay and boulders ----	60	210	Clay, soft -----	5	370
Sand and boulders ----	4	214	Clay and boulders ---	3	373
Clay -----	16	230	Clay, soft -----	17	390
Sand and boulders ----	3	233	Clay and rock -----	6	396
Clay and rocks -----	17	250	Clay, hard -----	14	410
Clay -----	10	260	Clay and boulders ---	5	415
Gravel and boulders --	5	265	Clay, soft -----	15	430
Clay -----	10	275	Boulders and gravel -	3	433
Gravel and boulders --	3	278	Clay, hard -----	7	440
Clay -----	7	285	Rock and gravel -----	20	460
Gravel and boulders --	5	290	Clay, hard -----	44	504
Clay -----	15	305			

6N/11W-6G1. U.S. Air Force. Drilled by Sloan Drilling Co. in 1953. 14-inch casing 0-599 ft, perforated 339-599 ft. Altitude about 2,485 ft.

Hardpan, sand, and silt -----	12	12	Sand, fine, and clay -	24	382
Clay, sandy -----	48	60	Sand and clay, cemented -----	44	426
Clay -----	30	90	Clay, brown -----	39	465
Sandstone, "dry" ----	22	112	Sand, fine to coarse -	27	492
Clay -----	30	142	Clay -----	16	508
Sand and gravel, "dry"-	46	188	Clay, sandy -----	22	530
Clay -----	34	222	Granite, decomposed, and rock, very hard-	22	552
Sand, "dry" -----	15	237	Shale, white, and clay -----	4	556
Sandstone -----	4	241	Sand and gravel, fine to very coarse,		
Sand, water-bearing --	24	265	water-bearing -----	32	588
Shale and clay -----	23	288	Clay, sandy -----	11	599
Gravel and sand, coarse, black-brown-white, water-bearing -----	30	318			
Clay, brown -----	24	342			
Gravel, coarse, all colors, water- bearing -----	16	358			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-6Z1. U.S. Air Force, formerly Mike Murtau. Drilled by R. H. Orr in 1925. 7-inch casing 0-272 ft, perforated 130-272 ft. Altitude about 2,502 ft.

Soil -----	97	97	Clay -----	23	196
Sand -----	3	100	Sand -----	2	198
Clay -----	30	130	Clay -----	19	217
Sand -----	2	132	Sand -----	3	220
Clay -----	18	150	Clay -----	30	250
Sand -----	3	153	Sand -----	3	253
Clay -----	17	170	Clay -----	19	272
Sand -----	3	173			

6N/11W-6Z2. U.S. Air Force, formerly F. Jungquist. Drilled by R. H. Orr in 1915. 10-inch casing 0-445 ft, perforated 147-445 ft. Altitude about 2,500 ft.

Soil -----	40	40	Clay -----	18	230
Soil, hard -----	40	80	"Water" -----	5	235
Sand -----	1	81	Clay -----	15	250
Sand and rock -----	13	94	"Water" -----	2	252
"Water" -----	2	96	Clay -----	48	300
Sand and rock -----	42	138	"Water" -----	5	305
"Water" -----	2	140	Clay -----	35	340
Sand and rock -----	17	157	"Water" -----	12	352
"Water" -----	1	158	Clay -----	8	360
Clay -----	12	170	"Water" -----	10	370
"Water" -----	15	185	Sand, hard, and rock -----	55	425
Clay -----	25	210	"Water" -----	2	427
"Water" -----	2	212	Clay, hard -----	18	445

NOTE: The entry of "water" is presumed to apply to water-bearing material.

6N/11W-7Z1. U.S. Air Force. Altitude about 2,537.5 ft.

Sand and silt -----	24	24	Gravel and rock -----	2	117
Clay, sandy -----	14	38	Clay, sandy, hard ---	26	143
Gravel, coarse, and clay -----	10	48	Clay, sandy, soft ---	25	168
Gravel and rock -----	3	51	Silt, sandy, soft ---	6	174
Hardpan -----	22	73	Clay, sandy -----	6	180
Gravel and rock -----	12	85	Sand and silt -----	13	193
Clay, sandy, hard ---	13	98	Clay, sandy, hard ---	14	207
Clay and gravel, sandy	2	100	Sand, fine, and gravel, water-bearing -----	4	211
Sand and gravel -----	15	115	Clay, sandy, hard ---	7	218

## 6N/11W-7Z1.--Continued

Thickness Depth (feet) (feet)		Thickness Depth (feet) (feet)	
Sand, fine, and small gravel, water- bearing -----	10 228	Sand, water-bearing -	3 240
Clay, sandy -----	9 237	Gravel, large, water- bearing -----	1 241

6N/11W-8E1. U.S. Air Force, formerly C. M. Webb. Drilled by R. H. Orr in 1924. 12-inch casing 0-160 ft, 10-inch perforated casing 150-451 ft. Altitude about 2,512 ft.

Soil -----	45 45	Clay -----	18 320
Clay and small rock --	61 106	Sand -----	3 323
Sand -----	1 107	Sand and rock -----	17 340
Clay and rock -----	27 134	Sand -----	2 342
Sand -----	2 136	Sand and rock -----	8 350
Clay and rock -----	27 163	Sand -----	2 352
Sand -----	2 165	Sand and rock -----	18 370
Clay -----	25 190	Sand -----	5 375
Sand -----	3 193	Sand and rock -----	5 380
Clay and rock -----	23 216	Sand -----	2 382
Sand -----	2 218	Sand, hard, and rock-	16 398
Clay -----	12 230	Sand -----	1 399
Sand -----	2 232	Sand, hard, and rock-	21 420
Clay -----	18 250	Sand -----	1 421
Sand -----	2 252	Sand, hard, and rock-	19 440
Clay -----	28 280	Sand -----	2 442
Sand, hard, and rock -	3 283	Rock, hard, and sand-	9 451
Sand -----	3 286		
Sand and rock -----	14 300		
Sand -----	2 302		



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-8R3. R. E. A. Rancho. Drilled by R. & C. Drilling Co. in 1946. 16-inch casing 0-708 ft, perforated 252-708 ft. Altitude about 2,523 ft.

Surface sand and clay -----	90	90	Clay, sandy -----	35	383
Sand, coarse, and clay -----	77	167	Gravel, coarse -----	9	392
Clay -----	11	178	Clay, sandy -----	40	432
Sand, coarse, hard ---	27	205	Gravel, coarse -----	6	438
Sand, loose -----	8	213	Shale, sandy -----	46	484
Sand, hard -----	11	224	Shale, sticky -----	23	507
Sand and gravel -----	25	249	Shale, sandy -----	8	515
Clay -----	6	255	Sand and gravel -----	36	551
Sand and gravel -----	23	278	Shale, sandy -----	13	564
Clay -----	37	315	Sand and gravel -----	28	592
Sand -----	25	340	Gravel, coarse -----	96	688
Clay -----	8	348	Sand, soft -----	2	690
			Gravel -----	17	707
			Sandstone, hard -----	2	709

6N/11W-10D1. Palmdale Project, formerly E. T. Earl. Drilled by R. H. Orr in 1915. 16-inch casing 0-165 ft, 10-inch perforated casing 165-445 ft. Altitude about 2,508 ft.

Soil -----	20	20	"Water" -----	5	175
Boulders, small -----	6	26	Clay -----	15	190
Clay -----	9	35	Granite, gray, very hard -----	13	203
Clay, hard -----	20	55	Clay -----	4	207
Clay -----	15	70	"Water" -----	12	219
Sand -----	2	72	Clay -----	28	247
Clay -----	8	80	"Water" -----	10	257
"Water" -----	1	81	Clay -----	30	287
Boulders -----	10	91	"Water" -----	5	292
"Very hard" -----	7	98	Clay -----	18	310
"Water" -----	6	104	"Water" -----	5	315
Sand and rock -----	16	120	Clay -----	42	357
"Water" -----	1	121	"Water" -----	3	360
Sand and rock -----	4	125	Clay, hard, and "cement" -----	19	379
Sand -----	16	141	Clay, hard -----	4	383
"Water" -----	2	143	"Water" -----	3	386
Sand and rock, very hard -----	12	155	Clay -----	44	430
"Water" -----	1	156	"Water" -----	1	431
Sand and rock -----	9	165	"Hard cement" -----	14	445
Clay -----	5	170			

NOTE: The entry "water" is presumed to apply to water-bearing material.

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-11M1. E. Haddad. Drilled by F. Rottman in 1960. 14-inch casing 0-431 ft, perforated 311-431 ft. Altitude about 2,523 ft.

Top soil -----	10	10	Sand and clay -----	90	230
Sand, coarse -----	20	30	Sand, fine -----	20	250
Sand, coarse, and gravel -----	40	70	Sand, fine, firm ----	140	390
Sand, coarse; gravel, and clay -----	20	90	Sand, hard -----	20	410
Sand, gravel, and clay -----	50	140	Sand and clay, hard -	20	430
			Rock, hard -----	15	445

6N/11W-14Q1. Owner unknown, formerly P. A. Roland. Drilled by Chas. Mason in 1914. 12-inch casing 0-327 ft. Altitude about 2,568 ft.

"Surface" -----	106	106	Sand, fine, water-		
Clay -----	11	117	bearing -----	8	325
			Clay -----	2	327

6N/11W-16H1. Isley Wedlow. Drilled by Evans Bros. Drilling Co. in 1961. 8-inch casing 0-500 ft, perforated 317-500 ft. Altitude about 2,543 ft.

Sand -----	10	10	Sand and streaks of clay -----	91	201
Gravel, coarse, and boulders -----	55	65	Clay with streaks of sand -----	174	375
Clay and streaks of sand -----	45	110	Clay, brown, with thin streaks of sand ---	125	500

6N/11W-16J1. Westaire Mutual Water Co. Drilled by Evans Bros. Drilling Co. in 1964. 14-inch casing 0-630 ft, perforated 322-630 ft. Altitude about 2,547 ft.

No entry -----	6	6	Sand, gravel, and silt -----	107	511
Sand, gravel, clay, and silt -----	316	322	Sand, gravel, clay, and silt -----	109	620
Sand and gravel -----	23	345	Sand and gravel -----	10	630
Clay and silt -----	32	377			
Sand and gravel -----	27	404			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-16R1. Westaire Mutual Water Co. Drilled by Evans Bros. Drilling Co. in 1964. No casing. Altitude about 2,557 ft.

No entry -----	9	9	Sand and gravel,		
Sand, gravel, clay,			tight -----	38	523
and silt -----	476	485	Sand, gravel, clay,		
			and silt -----	83	606

6N/11W-19E2. Palmdale Irrigation District. Drilled by Evans Bros. Drilling Co. in 1960. 16-inch casing 0-848 ft, no casing 848-868 ft, perforated 396-848 ft. Altitude about 2,584 ft.

Surface sand and hardpan -----	10	10	Sand, with streaks of clay -----	81	546
Sand and gravel, with streaks of clay ----	30	40	Sand and rocks, with streaks of clay ---	6	552
Clay with streaks of sand -----	62	102	Sand with thin streaks of clay ---	13	565
Clay with thin streaks of sand -----	63	165	Sand, firm, with thin streaks of clay ---	7	572
Sand, packed, with streaks of clay ----	47	212	Sand, with some clay-	8	580
Clay, sandy, and sand -----	18	230	Sand, firm -----	6	586
Sand, hard, with streaks of clay ----	31	261	Clay and a small amount of sand ----	14	600
Sand and gravel, with streaks of clay ----	6	267	Clay with streaks of sand -----	85	685
Sand, hard, with streaks of clay ----	24	291	Clay with streaks of sand and thin streaks of sandy shale -----	55	740
Sand and gravel, with streaks of clay ----	21	312	Clay, with thin streaks of sand and brown shale -----	95	835
Sand, firm, with streaks of clay ----	23	335	Sand and brown shale-	13	848
Sand, hard, with thin streaks of soft clay -----	65	400	Sand, hard -----	3	851
Clay and sand -----	65	465	Clay with thin streaks of sand ---	17	868

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-19E3. Palmdale Irrigation District. Drilled by L. E. Thompson in 1948. 16-inch casing 0-604 ft, perforated 275-410 ft and 485-585 ft. Altitude about 2,584 ft.

Clay -----	6	6	Clay -----	4	400
Sand and clay -----	24	30	Gravel, water-		
Clay, hard -----	12	42	bearing -----	6	406
Sand and clay -----	38	80	Clay, hard -----	79	485
Clay -----	40	120	Clay and sand, soft -	15	500
Clay and sand, hard --	130	250	Clay, hard -----	15	515
Clay, soft, wet -----	14	264	"Tools dropped" -----	2	517
Clay and sand, hard --	12	276	Granite, decomposed -	28	545
Sand, water-bearing --	12	288	"Soft place" -----	5	550
Clay -----	5	293	Granite, decomposed -	10	560
Sand, water-bearing --	3	296	Clay -----	10	570
Clay -----	28	324	Gravel, water-		
Sand, water-bearing --	8	332	bearing -----	1	571
Clay -----	36	368	Clay -----	5	576
Sand and gravel,			Gravel, water-		
water-bearing -----	4	372	bearing -----	7	583
Clay -----	20	392	Clay -----	21	604
Gravel, water-bearing-	4	396			

6N/11W-20G1. Owner unknown, former owner P. M. Gregory. Deepened in 1946 by J. L. Clugage. 16-inch casing 0-282 ft, 12-inch perforated casing 275-600 ft. Altitude about 2,568 ft.

No record -----	297	297	Clay, brown -----	37	478
Clay, hard -----	5	302	"Mud" and sand -----	20	498
Gravel and sand,			Sand and gravel -----	3	501
coarse -----	6	308	Clay and gravel -----	26	527
Clay and gravel -----	40	348	Gravel, decomposed,		
Gravel and sand -----	9	357	hard, and "clay		
Clay and gravel -----	12	369	composition of		
Sand and gravel -----	6	375	conglomerate and		
Clay and gravel -----	66	441	shale" -----	169	696

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-20Z1. Owner unknown, former owner C. Mason. Drilled by owner in 1914. 10-inch casing 0-150 ft, 8-inch perforated casing 150-240 ft. Altitude about 2,581 ft.

Surface soil -----	140	140	Clay -----	12	217
Clay -----	10	150	Gravel, water-		
Gravel, water-			bearing -----	20	237
bearing -----	55	205	Clay -----	3	240

6N/11W-21C1. P. M. Gregory. Drilled by R. H. Orr in 1921. 12-inch casing 0-199 ft, 10-inch perforated casing 188-350 ft. Altitude about 2,557 ft.

Soil and sand -----	135	135	Clay -----	15	270
Sand -----	1	136	Sand -----	2	272
Clay -----	14	150	Clay -----	36	308
Sand -----	2	152	Sand -----	3	311
Boulders and clay ----	30	182	Clay -----	11	322
Clay -----	43	225	Sand -----	3	325
Sand -----	3	228	Clay -----	10	335
Clay -----	22	250	Sand -----	3	338
Sand -----	5	255	Clay -----	12	350

6N/11W-21E1. Palmdale Irrigation District, formerly P. M. Gregory. Drilled by Chas. Mason about 1926. 16-inch casing 0-460 ft. Altitude about 2,570 ft.

Sand -----	16	16	Clay, sandy -----	43	250
Soil, sandy -----	35	51	Clay, sticky -----	35	285
Clay, yellow -----	63	114	Clay, yellow, and		
Clay, sandy -----	47	161	rocks -----	75	360
Sand, coarse, water-			Clay, yellow, and		
bearing -----	6	167	rocks; "hill		
Clay, sticky -----	40	207	formation" -----	95	455
			No entry -----	5	460

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-21F1. Palmdale Irrigation District, formerly P. M. Gregory. Drilled by F. Rottman in 1944. 16-inch casing 0-270 ft, 14-inch casing 270-400 ft, 12-inch casing 400-570 ft, perforated 270-570 ft. Altitude about 2,573 ft.

Sand -----	15	15	Gravel -----	10	425
Boulders and sand ----	65	80	Clay -----	35	460
Boulders and clay ----	60	140	Gravel -----	6	466
Clay -----	50	190	Clay -----	64	530
Clay and boulders ----	50	240	Sand, hard -----	30	560
Sand, hard -----	20	260	Sand, hard, and		
Clay and boulders ----	60	320	boulders -----	10	570
Sand, hard -----	10	330	Granite -----		570+
Clay and rock -----	85	415			

6N/11W-22Q1. Westaire Mutual Water Co. Drilled by Evans Bros. Drilling Co. in 1952. 14-inch casing 0-391 ft, perforated 270-391 ft. Altitude about 2,594 ft.

Sand -----	14	14	Clay and boulders ---	11	215
Sand and boulders ----	44	58	Sand and clay -----	15	230
Clay with streaks of			Boulders and clay ---	25	255
sand -----	12	70	Sand, hard, with		
Gravel and clay -----	50	120	streaks of clay ---	44	299
Sand with streaks of			Boulders -----	12	311
clay -----	10	130	Sand -----	15	326
Sand, hard, with			Boulders -----	6	332
streaks of clay ----	30	160	Sand, hard, with		
Sand and boulders ----	15	175	streaks of clay ---	14	346
Sand with streaks			Sand, hard -----	8	354
of clay -----	29	204	Rock -----	37	391

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-25R1. Mrs. A. Ridley. Deepened by V. A. Reed in 1952.  
8-inch casing 0-250 ft, perforated 115-235 ft. Altitude about 2,666 ft.

No record -----	94	94	Gravel, $\frac{1}{4}$ - to 1-inch,		
Boulder, solid -----	3	97	water-bearing -----	1	188
Clay, brown, sandy,			Sand and gravel,		
hard, with water from			water-bearing -----	31	219
118 ft on in porous			Hardpan -----	1	220
clay -----	54	151	Sand and gravel,		
Clay, brown, sandy,			water-bearing -----	8	228
"softer" -----	7	158	Hardpan -----	22	250
Hardpan, brown -----	7	165			
Clay, porous, with					
water-bearing					
streaks -----	22	187			

6N/11W-28E1. Palmdale Irrigation District. Drilled by Chas. Mason  
in 1920. 12-inch casing, perforated 180-260 ft. Altitude about  
2,606 ft.

Sand and soil -----	32	32	Sand and gravel, loose,		
Boulders -----	4	36	water-bearing -----	128	180
Sand and clay -----	8	44	Gravel and sand,		
Hardpan, red -----	4	48	water-bearing -----	100	280
Gravel, water-bearing-	4	52			

6N/11W-28N2. Owner unknown, former owner George Coffman. Drilled  
by Chas. Mason in 1919. 10-inch casing 0-150 ft, 8-inch perforated  
casing 150-260 ft. Altitude about 2,617 ft.

Surface -----	152	152	Gravel, water-		
Clay -----	12	164	bearing -----	22	242
Gravel, water-bearing-	36	200	Clay -----	8	250
Clay -----	20	220	No entry -----	10	260



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-32P1. Palmdale Irrigation District, formerly John Boyle. Drilled by J. F. Jacobs in 1917. 16-inch casing 0-495 ft, perforated 158-188 ft, 214-222 ft, 224-248 ft, and 458-473 ft. Altitude about 2,675 ft.

Soil -----	76	76	Hardpan -----	8	204
Gravel -----	10	86	Clay -----	10	214
Clay, soil -----	54	140	Gravel -----	8	222
Hardpan -----	18	158	Clay -----	2	224
Gravel, water-			Gravel -----	24	248
bearing -----	10	168	Clay -----	10	458
Clay -----	20	188	Gravel -----	10	468
Gravel, "cement" -----	8	196	Clay -----	27	495

6N/11W-33H1. Fred Jungi. Drilled by J. L. Clugage in 1945. 8-inch casing 0-200 ft, perforated 112-200 ft. Altitude about 2,650 ft.

Soil -----	12	12	Clay, loose, and		
Sand and clay -----	7	19	gravel -----	4	112
Boulders and clay ----	15	34	Gravel, cemented,		
Clay and gravel -----	74	108	water-bearing -----	25	137
			Clay and gravel -----	63	200

6N/11W-33Q7. Herman Weaver. Drilled by V. A. Reed in 1954. 10-inch casing 0-300 ft, perforated 115-275 ft. Altitude about 2,665 ft.

Topsoil -----	22	22	Clay and cobblestones,		
Hardpan, light-brown -	13	35	water-bearing -----	20	155
Hardpan, light-brown,			Clay, sandy, hard ----	65	220
soft -----	71	106	Clay, sandy, hard,		
Hardpan, light-brown,			and sandstone layers	65	285
soft, and clay ----	10	116	Clay, brown, tough ---	15	300
Clay and gravel,					
water-bearing -----	19	135			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/11W-34N1. Drilled by W. E. Colton in 1929. Altitude about 2,687 ft.

Boulders -----	80	80	Shale, blue, sticky -	16	490
Shale, sticky -----	268	348	Shale and "shells" --	14	504
Sand and boulders ----	29	377	"Hard shell" -----	2	506
"Lime shell" -----	4	381	Sand and boulders ---	27	533
"Shell" -----	5	386	Shale -----	7	540
"Hard shell" -----	7	393	"Shell" -----	4	544
"Shell" -----	4	397	Shale -----	77	621
"Hard shell" -----	5	402	Shale and boulders --	17	638
Shale, sticky -----	12	414	"Hard shell" -----	7	645
"Hard with lime			Shale, sticky -----	25	670
shells" -----	5	419	Sand and shale -----	24	694
Shale, sticky -----	23	442	"Shell" -----	6	700
Shale, sticky, and			Sand, show of gas ---	2	702
streaks of sand ----	22	464	Granite, gneissic ---	255	957
"Hard shell" -----	10	474	Metamorphics -----	141	1098

6N/11W-36G1. Warren Southwest, Inc., formerly Arrow Sand and Gravel Co. Drilled by F. Rottman in 1956. 12-inch casing 0-572 ft, perforated 235-572 ft. Altitude about 2,679 ft.

Sand and boulders ----	65	65	Clay and some sand --	40	370
Boulders, sand, and			Clay and some coarse		
clay -----	30	95	sand -----	30	400
Sand and clay -----	25	120	Clay and small		
Sand, gravel, and			boulders -----	12	412
clay -----	20	140	Clay and boulders ---	8	420
Sand, coarse, and			Clay and coarse sand-	15	435
clay -----	20	160	Boulders and clay ---	10	445
Sand and clay -----	40	200	Clay and coarse sand-	25	470
Clay and fine sand ---	40	240	Sand, coarse -----	70	540
Clay and some sand ---	20	260	Boulders and some		
Clay -----	30	290	clay -----	25	565
Clay and some sand ---	20	310	Boulders -----	7	572
Clay and sand -----	20	330			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/12W-1J1. North American Aviation. Drilled by Evans Bros. Drilling Co. in 1957. 12-inch casing 0-581 ft. Altitude about 2,503 ft.

Surface soil and sandy clay -----	30	30	Clay, sandy, with streaks of clay ---	55	395
Clay, sandy -----	45	75	Sand with streaks of clay -----	35	430
Clay, sandy, with streaks of sand ----	29	104	Clay -----	80	510
Sand -----	116	220	Clay, sandy, with streaks of sand and gravel -----	68	578
Clay, sandy -----	10	230	Sand, hard -----	3	581
Sand -----	62	292			
Clay with streaks of coarse sand -----	48	340			

6N/12W-4A1. Harley McIntire. Drilled by R. & C. Drilling Co. in 1950. 12-inch casing 0-504 ft, perforated 288-504 ft. Altitude about 2,540 ft.

Surface soil -----	8	8	Sand and gravel -----	13	301
Sand and gravel -----	67	75	Sand and gravel, with streaks of clay ---	72	373
Clay -----	4	79	Sand and gravel -----	28	401
Sand and gravel -----	92	171	Clay -----	9	410
Rocks -----	2	173	Sand -----	58	468
Sand and gravel -----	49	222	Clay -----	6	474
Sand, hard -----	4	226	Sand and gravel -----	30	504
Sand and gravel -----	14	240	Sand, hard -----	4	508
Sand, hard -----	48	288			

6N/12W-5A1. White Fence Farms. Drilled by Fred Miller in 1948. 14-inch casing 0-460 ft. Altitude about 2,533 ft.

Surface sand -----	30	30	Clay -----	10	230
Sand, hard, and rock -	50	80	Sand, fine -----	5	235
Sand, hard -----	10	90	Clay and fine sand --	15	250
Sand, fine -----	10	100	Sand, fine, hard ----	25	275
Sand, fine, hard ----	10	110	Sand, water-bearing -	35	310
Clay and sand -----	10	120	Sand and clay, hard -	8	318
Sand, hard -----	15	135	Clay and sand -----	8	326
Clay and fine sand ---	15	150	Sand and clay, hard -	4	330
Clay and hard sand ---	15	165	Sand, water-bearing -	20	350
Sand, fine, hard ----	30	195	"Hard" -----	2	352
Sand, fine -----	25	220	Sand, water-bearing -	10	362

## 6N/12W-5A1.--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay and sand -----	12	374	Sand, water-bearing -	25	420
Sand, water-bearing --	10	384	"White quartz		
Clay and sand -----	11	395	cuttings" -----	35	455
			Granite, decomposed -	5	460

6N/12W-7A1. Sunnyside Farms Mutual Water Co. Drilled by F. Rottman in 1951. 14-inch casing 0-432 ft, perforated 276-432 ft. Altitude about 2,597 ft.

Sand, hard -----	50	50	Gravel and clay -----	20	300
Sand and a few			Sand and clay -----	30	330
boulders -----	50	100	Gravel -----	30	360
Sand, hard -----	50	150	Clay and gravel -----	20	380
Sand and clay -----	50	200	Sand, hard -----	20	400
Clay and gravel -----	30	230	Clay and sand -----	10	410
Sand -----	30	260	Granite, decomposed -	10	420
Gravel, "heavy" -----	20	280	Granite, blue -----	12	432

6N/12W-7A2. Sunnyside Farms Mutual Water Co. Drilled by F. Rottman in 1954. 14-inch casing 0-456 ft. Altitude about 2,589 ft.

Surface soil -----	25	25	Sand, coarse, and		
Sand, coarse, and			clay -----	20	250
rocks -----	25	50	Sand, clay, and		
Sand and boulders ----	20	70	boulders -----	10	260
Boulders -----	10	80	Sand, coarse, with		
Clay, hard -----	10	90	clay streaks -----	10	270
Clay and small			Sand, coarse, and		
boulders -----	5	95	boulders -----	10	280
Sand -----	5	100	Sand with clay		
Clay, hard -----	15	115	streaks -----	15	295
Boulders -----	5	120	Sand, coarse -----	20	315
Clay, hard -----	8	128	Sand, coarse, and		
Clay and gravel -----	22	150	clay -----	20	335
Clay, hard -----	10	160	Clay and fine sand ---	10	345
Sand and hard clay ---	15	175	Boulders and gravel --	5	350
Clay and gravel -----	20	195	Clay and "quartz" ----	10	360
Sand and boulders ----	5	200	Gravel and boulders --	20	380
Boulders -----	20	220	Sand and gravel -----	20	400
Boulders and clay ----	10	230	Boulders and "quartz"-	15	415

## 6N/12W-7A2.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Boulders and sand ----	15	430	Sand, boulders, and		
Boulders and coarse			clay -----	10	450
sand -----	10	440	Granite, blue -----	6	456

6N/12W-8R1. White Fence Farms. Drilled by Fred Miller in 1954.  
14-inch casing 0-630 ft, perforated 350-630 ft. Altitude about 2,646 ft.

Sandy loam -----	10	10	Clay -----	10	410
Sand -----	90	100	Rock, quartz -----	10	420
Sand -----	100	200	Rock, hard -----	20	440
Clay, brown -----	20	220	Sand and clay -----	10	450
Sand -----	20	240	Rock and clay -----	10	460
Clay -----	5	245	Rock, hard -----	20	480
Sand -----	20	265	Sand -----	20	500
Clay -----	10	275	Clay, red -----	10	510
Sand -----	10	285	Sand -----	20	530
Clay -----	5	290	Clay, red -----	10	540
Sand -----	10	300	Rock, quartz -----	10	550
Clay -----	10	310	Sand -----	10	560
Sand -----	10	320	Rock and sand -----	10	570
Clay -----	15	335	Sand -----	10	580
Conglomerate -----	5	340	Clay and quartz		
Sand -----	10	350	gravel -----	10	590
Rock, quartz -----	30	380	Gravel -----	10	600
Clay -----	5	385	Rock and gravel -----	20	620
Conglomerate -----	15	400	Rock -----	10	630

6N/12W-9H2. El Dorado Mutual Water Co. Drilled by Evans Bros.  
Drilling Co. in 1952. 14-inch casing 0-600 ft, perforated 200-500 ft.  
Altitude about 2,610 ft.

Sand -----	130	130	Clay and gravel -----	15	410
Gravel -----	10	140	Sand, hard -----	10	420
Boulders -----	10	150	Sand and boulders ---	10	430
Gravel and boulders --	40	190	Sand, hard -----	20	450
Clay -----	12	202	Sand and boulders ---	60	510
Sand and gravel -----	8	210	Clay -----	5	515
Clay and gravel -----	25	235	Sand and gravel -----	40	555
Sand -----	25	260	Sand, gravel, and		
Gravel and boulders --	35	295	boulders -----	40	595
Sand, hard -----	15	310	Clay -----	5	600
Sand, gravel, and					
boulders -----	85	395			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/12W-12R1. Lockheed Aircraft Corp. Drilled by F. Rottman in 1951. 16-inch casing 0-800 ft, perforated 380-800 ft. Altitude about 2,538 ft.

Surface soil -----	50	50	Clay and boulders ---	35	462
Sand, fine -----	33	83	Gravel -----	14	476
Gravel, fine -----	25	108	Gravel with streaks		
Clay -----	29	137	of clay -----	15	491
Gravel and clay -----	25	162	Clay -----	44	535
Clay -----	35	197	Clay, boulders, and		
Gravel -----	29	226	gravel -----	47	582
Gravel, sand, and			Clay and gravel -----	45	627
boulders -----	45	271	Clay -----	45	672
Gravel and clay -----	34	305	Gravel -----	21	693
Gravel and boulders,			Clay, boulders, and		
with streaks of			gravel -----	44	737
clay -----	76	381	Clay and gravel -----	22	759
Clay and gravel -----	19	400	Gravel -----	22	781
Clay -----	27	427	Clay -----	19	800

6N/12W-12Z1. U.S. Air Force. Drilled by R. H. Orr in 1925. 12-inch casing 0-199 ft, 10-inch perforated casing 194-418 ft. Altitude about 2,548 ft.

Soil and clay -----	110	110	Clay and rock -----	20	280
Boulders, and sand			"Cement" and sand ---	2	282
rock -----	25	135	Clay and rock -----	18	300
Sand -----	2	137	"Cement" and sand ---	2	302
Clay and rock -----	18	155	Clay and rock -----	18	320
"Cement" and sand ----	2	157	"Cement" and sand ---	2	322
Clay and rock -----	23	180	Clay and rock -----	18	340
"Cement" and sand ----	2	182	"Cement" and sand ---	3	343
Clay and rock -----	23	205	Clay and rock -----	17	360
"Cement" and sand ----	2	207	"Cement" and sand ---	2	362
Clay and "sand rock" -	8	215	Clay and rock -----	18	380
"Cement" and sand ----	2	217	"Cement" and sand ---	1	381
Rock and clay -----	13	230	Clay and rock -----	27	408
"Cement" and sand ----	3	233	"Cement" and sand ---	6	414
Clay and rock -----	22	255	Rock -----	4	418
"Cement" and sand ----	5	260			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/12W-13N1. Palmdale Irrigation District. Drilled by F. Rottman in 1960. 16-inch casing 0-800 ft, perforated 420-800 ft. Altitude about 2,591 ft.

Surface soil -----	20	20	Sand, hard, packed --	45	475
Gravel -----	20	40	Sand and clay -----	30	505
Clay and gravel -----	30	70	Sand with clay		
Sand with clay			streaks -----	30	535
streaks -----	20	90	Sand, hard -----	30	565
Sand, clay, and			Clay and sand -----	80	645
coarse gravel -----	60	150	Sand, hard, packed --	30	675
Sand with clay			Sand, with clay		
streaks -----	30	180	streaks -----	60	735
"Fire sand" -----	40	220	Sand, hard -----	30	765
Sand and gravel -----	60	280	Sand, fine, hard ----	30	795
Sand with clay			Sand, fine, and clay-	55	850
streaks -----	35	315	Sand, firm, and clay		
Gravel -----	30	345	with layers of		
Sand, hard, packed ---	30	375	cemented formation-	20	870
Sand, coarse -----	55	430	Sand, hard, sharp ---	10	880

6N/12W-13Q1. U.S. Air Force, formerly Fertig. Drilled by R. H. Orr in 1915. 10-inch casing 0-490 ft, perforated 252-489 ft. Altitude about 2,580 ft.

Soil -----	60	60	"Water" -----	1	351
Boulders and gravel --	10	70	Sand and rock -----	19	370
Clay and sand -----	100	170	"Water" -----	4	374
"Water" -----	2	172	Sand and rock -----	41	415
Sand and rock -----	29	201	"Water" -----	1	416
"Water" -----	1	202	Sand and rock -----	11	427
Sand and rock -----	41	243	"Water" -----	1	428
"Water" -----	1	244	Sand, hard, and rock-	7	435
Sand and rock -----	26	270	"Water" -----	4	439
"Water" -----	6	276	Sand, hard, and rock-	31	470
Sand and rock -----	43	319	"Water" -----	1	471
"Water" -----	1	320	Sand, hard, and rock-	19	490
Sand and rock -----	10	330	"Water" -----	1	491
"Water" -----	3	333	"Very hard" -----	1	492
Sand and rock -----	17	350			

NOTE: The entry "water" is presumed to apply to water-bearing material.



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/12W-15D1. Los Angeles County Waterworks District No. 34, formerly West Palmdale Development Co. Drilled by R. & C. Drilling Co. in 1950. 24-inch casing 0-18 ft, no casing 18-510 ft. Altitude about 2,633 ft.

Surface soil -----	20	20	Sand, coarse, and		
Sand and gravel -----	45	65	gravel -----	41	286
Clay, sandy -----	8	73	Sand, coarse, loose -	15	301
Sand and gravel -----	116	189	Sand, hard -----	10	311
Clay -----	12	201	Sand -----	17	328
Sand and gravel -----	21	222	Sand, firm -----	9	337
Clay, sandy -----	15	237	Sand -----	25	362
Sand, hard -----	8	245	Sand, firm -----	108	470
			Sand, coarse -----	40	510

NOTE: Well sealed, to be opened and casing installed at a later date.

6N/12W-16A1. El Dorado Mutual Water Co., formerly Clarence Barker. Drilled by R. & C. Drilling Co. in 1950. 14-inch casing 0-661 ft, perforated 388-661 ft. Altitude about 2,642 ft.

Surface soil -----	21	21	Sand -----	15	413
Sand and gravel -----	17	38	Sand, medium-hard ---	27	440
Clay, sandy -----	25	63	Sand with streaks of		
Sand and gravel -----	54	117	clay -----	15	455
Sand with streaks of			Sand, hard -----	33	488
clay -----	8	125	Sand, coarse -----	7	495
Sand, loose -----	16	141	Sand, medium-hard,		
Gravel, with streaks			with streaks of		
of clay -----	51	192	loose sand -----	45	540
Sand, firm -----	22	214	Sand, medium-hard ---	36	576
Sand -----	17	231	Sand, with streaks of		
Sand, medium-hard ----	35	266	clay -----	22	598
Gravel, medium-hard,			Sand -----	21	619
with streaks of			Sand, with streaks of		
loose sand -----	86	352	clay -----	42	661
Sand, firm -----	12	364	Sand streaks, very		
Sand and gravel -----	13	377	hard -----	2	663
Gravel, hard, with					
streaks of loose					
sand -----	21	398			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/12W-17A1. Sunnyside Farms. Drilled by F. Rottman in 1956.  
14-inch casing 0-780 ft, perforated 400-760 ft. Altitude about 2,661 ft.

Clay and sand -----	30	30	Boulders and streaks of clay -----	22	340
Sand and small rocks -	20	50	Sand, coarse, and streaks of clay ---	65	405
Sand, coarse -----	85	135	Sand and clay -----	25	430
Sand, coarse, and streaks of clay ----	55	180	Sand, coarse, and streaks of clay ---	65	495
Clay streaks and sand -----	25	205	Sand and clay -----	25	520
Sand, coarse -----	25	230	Clay and sand -----	92	612
Boulders, small, and sand -----	20	250	Sand -----	23	635
Sand, hard, packed ---	25	275	Clay and coarse sand-	22	657
Boulders and streaks of clay -----	20	295	Gravel, "good" -----	56	713
Sand, coarse, and boulders -----	23	318	Gravel, heavy -----	22	735
			Gravel, "good" -----	23	758
			Clay, red -----	22	780

6N/12W-17A2. Small Oil Co. Drilled by Jack White in 1940. No casing was ever installed in hole. Altitude about 2,665 ft.

Sand, coarse, and gravel -----	200	200	Sandstone, coarse ---	100	700
Clay, brown, "with stringers of lime" -	400	600	Sandstone, gray, hard -----	200	900

6N/12W-21A1. Los Angeles County Waterworks District No. 34,  
formerly Marie Wilcox. Drilled by R. & C. Drilling Co. in 1950.  
14-inch casing 0-702 ft, perforated 402-702 ft. Altitude about 2,670 ft.

Surface soil -----	18	18	Sand, loose, and gravel with streaks of clay -----	199	591
Sand and gravel -----	89	107	Sand, hard, with streaks of clay ---	23	614
Gravel, coarse -----	28	135	Sand and gravel, with streaks of clay ---	38	652
Sand, coarse -----	21	156	Sand, medium-hard, with streaks of clay -----	44	696
Sand and gravel, with streaks of clay ----	66	222	Sand, hard -----	8	704
Sand, medium-hard ----	74	296			
Sand with hard streaks -----	62	358			
Sand with streaks of clay -----	34	392			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/12W-21A2. Los Angeles County Waterworks District No. 34, formerly Deep River Water Co. Drilled by F. Rottman in 1955. 14-inch casing 0-708 ft, perforated 395-708 ft. Altitude about 2,674 ft.

Sand and gravel -----	19	19	Sand and clay -----	20	370
Gravel, coarse -----	18	37	Clay, sandy -----	40	410
Gravel, coarse, and sand -----	40	77	Sand and clay -----	40	450
Sand, coarse -----	73	150	Sand, sharp, and clay -----	57	507
Sand, fine -----	48	198	Gravel, fine, and soft clay -----	22	529
Sand, hard, packed ---	20	218	Clay and gravel -----	31	560
Boulders -----	9	227	Sand, hard -----	27	587
Clay streaks -----	8	235	Sand and gravel, with clay streaks -----	16	603
Clay, sandy -----	16	251	Sand, fine, sharp ---	17	620
Sand, fine -----	18	269	Clay and coarse sand-	40	660
Clay, sandy -----	11	280	Sand, firm, sharp ---	40	700
Sand, fine -----	20	300	Rock, quartz, hard --	8	708
Sand, coarse, and clay -----	50	350			

6N/12W-21K1. R. C. Davis. Drilled by R. & C. Drilling Co. in 1950. No casing, well abandoned. Altitude about 2,710 ft.

Surface soil -----	21	21	Sand, hard, and rocks -----	54	206
Rocks -----	2	23	Sand and gravel -----	16	222
Sand and gravel -----	24	47	Sand, hard, and gravel -----	23	245
Sand -----	8	55	Sand, hard -----	40	285
Sand, hard -----	49	104	Granite -----	8	293
Sand and gravel -----	48	152			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/12W-23M1. Palmdale Irrigation District. Drilled by F. Rottman in 1954. 14-inch casing 0-624 ft, perforated 300-624 ft. Altitude about 2,625 ft.

Top soil and fine sand -----	25	25	Sand, gravel, and rocks -----	20	375
Sand, coarse -----	10	35	Sand, gravel, and clay -----	10	385
Gravel and granite rock -----	10	45	Sand with streaks of clay -----	10	395
Gravel, coarse, hard -	20	65	Sand, loose with streaks of clay ---	20	415
Gravel, coarse -----	10	75	Sand, coarse -----	10	425
Sand, gravel, and rock -----	10	85	Sand with streaks of clay -----	20	445
Sand, coarse, loose, and rock -----	20	105	Clay -----	10	455
Sand and gravel -----	20	125	Clay with streaks of sand -----	30	485
Sand and gravel, with clay streaks -----	10	135	Clay, rock, and sand -----	10	495
Sand, hard, with some clay -----	20	155	Clay, rock, and coarse sand -----	20	515
Sand, fine, with clay streaks -----	20	175	Sand, rock, and clay -----	10	525
Sand, hard -----	30	205	Sand, coarse, with streaks of clay ---	10	535
Sand, coarse -----	10	215	Sand and clay -----	10	545
Sand, hard, packed ---	5	220	Clay and coarse sand -----	20	565
Sand, coarse -----	30	250	Sand, coarse, with streaks of clay ---	20	585
Sand, coarse, with clay streaks -----	30	280	Sand, hard, and clay -----	30	615
Sand, coarse, hard ---	15	295	Rock -----	9	624
Clay and sand -----	20	315	Rock "test hole" ----	27	651
Clay with gravel streaks -----	10	325			
Sand, hard -----	20	345			
Sand and gravel -----	10	355			

Thickness Depth		Thickness Depth	
(feet)	(feet)	(feet)	(feet)

6N/12W-24C1. Palmdale Irrigation District. Drilled by Evans Bros. Drilling Co. in 1963. 16-inch casing 0-900 ft, no casing 900-1,275 ft, perforated 504-900 ft. Altitude about 2,585 ft.

Surface soil -----	4	4	Clay, brown, with thin		
Hardpan -----	4	8	streaks of sand ---	100	575
Sand, coarse -----	12	20	Sand with streaks of		
Clay -----	45	65	clay and cobblestones	95	670
Clay, brown -----	11	76	Clay with streaks of		
Clay, brown, with			sand -----	58	728
streaks of sand ----	17	93	Clay, brown, and sand	28	756
Sand, coarse, and			Clay, brown, with		
sandy brown clay ---	15	108	streaks of medium		
Clay, brown, with			to coarse sand ----	20	776
streaks of sand ----	17	125	Sand, medium, with		
Sand, hard, and clay			streaks of clay ----	13	789
with streaks of			Clay, brown and sand -	57	846
gravel -----	53	178	Sand and brown clay --	54	900
Sand with streaks of			Clay, brown, and some		
clay and hard sand -	37	215	blue shale -----	17	917
Clay with streaks of			Sand, very hard -----	3	920
sand -----	13	228	Clay, blue, with		
Sand with streaks of			streaks of shale ---	87	1,007
clay -----	27	255	Shale, soft, with		
Clay and sand -----	23	278	streaks of medium		
Clay, brown, with			to coarse sand -----	23	1,030
streaks of gravel --	12	290	Shale -----	5	1,035
Clay, brown -----	8	298	Shale and blue clay		
Clay, brown, with			with streaks of medium		
streaks of sand ----	20	318	to coarse sand -----	61	1,096
Clay, sand, and			Sand and shale -----	5	1,101
gravel -----	3	321	Clay, blue, and medium		
Clay, brown, and			to coarse sand, some		
gravel -----	18	339	white clay -----	5	1,106
Sand and sandy brown			Shale, hard, with		
clay -----	21	360	streaks of sand ----	9	1,115
Sand, hard, and brown			Shale, blue, with		
clay -----	9	369	streaks of sand ----	95	1,210
Sand, coarse to medium			Shale, blue, with		
with streaks of			streaks of sand		
clay -----	31	400	brown clay -----	26	1,236
Clay, brown, with thin			Shale, blue, and sand		
streaks of sand ----	50	450	with large flakes		
Sand and gravel, some			of mica -----	13	1,249
clay -----	20	470	Shale, blue, sand,		
Clay, brown, with			and cobblestones ---	26	1,275
streaks of sand ----	5	475			

Thickness Depth		Thickness Depth	
(feet)	(feet)	(feet)	(feet)

6N/12W-24F1. Palmdale Irrigation District. Drilled by W. F. Kahler in 1957. 14-inch casing 0-610 ft, perforated 228-610 ft. Altitude about 2,587 ft.

Sandy loam -----	10	10	Clay, soft -----	20	390
Sand, hard -----	40	50	Sand -----	10	400
Sand, coarse -----	30	80	Clay, soft -----	30	430
Gravel, small -----	10	90	Boulders -----	10	440
Clay -----	10	100	Sand -----	30	470
Sand with streaks of clay -----	50	150	Clay -----	10	480
Sand -----	40	190	Sand -----	10	490
Sand and clay -----	50	240	Gravel -----	20	510
Sand -----	50	290	Clay -----	10	520
Clay -----	10	300	Gravel -----	20	540
Sand -----	10	310	Sand -----	20	560
Boulders -----	20	330	Clay -----	10	570
Sand, hard -----	10	340	Sand and boulders ---	34	604
Sand -----	30	370	Sand and rock at bottom -----	6	610

6N/13W-1F1. Owner unknown, former owner E. T. Earl. Drilled by R. H. Orr in 1919. 6-inch casing 0-100 ft. Altitude about 2,523 ft.

Soil -----	55	55	Granite rock -----	9	86
Sand -----	1	56	Sand -----	1	87
Granite, decomposed --	20	76	Granite and organic rock -----	13	100
Sand -----	1	77			

6N/13W-12H1. Francis Wrigley. Drilled by R. & C. Drilling Co. in 1950. 10-inch casing 0-132 ft, perforated 48-132 ft. Altitude about 2,595 ft.

Surface soil -----	13	13	Sand, hard -----	31	118
Sand and gravel -----	31	44	Sand, loose -----	8	126
Sand, loose -----	16	60	Rock, hard -----	6	132
Sand, coarse, and gravel -----	27	87			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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6N/13W-12Q1. Francis Wrigley. Drilled by R. & C. Drilling Co. in 1950. Altitude about 2,685 ft.

Surface soil -----	16	16	Sand, hard, and		
Rocks and gravel -----	5	21	gravel -----	10	94
Sand and gravel -----	38	59	Granite, blue -----	3	97
Rocks and gravel -----	25	84			

6N/13W-12R1. Francis Wrigley. Drilled by R. & C. Drilling Co. in 1950. 10-inch casing 0-96 ft, perforated 48-96 ft. Altitude about 2,655 ft.

Surface soil -----	17	17	Sand, coarse, and		
Sand and gravel -----	25	42	gravel -----	21	78
Gravel, coarse, and			Sand, medium-hard ---	20	98
rocks -----	15	57			

7N/11W-2A1. Harry L. Cissell. Drilled by F. Rottman in 1950. 12-inch casing 0-336 ft, perforated 180-336 ft. Altitude about 2,368 ft.

Surface soil -----	40	40	Clay and boulders ---	30	230
Clay and sand -----	45	85	Sand, hard -----	25	255
Clay and gravel -----	20	105	Sand and clay -----	25	280
Sand and gravel -----	35	140	Clay and gravel -----	35	315
Clay, sandy -----	30	170	Clay -----	21	336
Clay and gravel -----	30	200			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-2B1. Drilled by R. H. Orr in 1916. 10-inch casing 0-70 ft, 6-inch perforated casing 60-301 ft. Altitude about 2,367 ft.

Soil -----	10	10	Clay -----	18	170
Sand -----	1	11	Sand -----	2	172
Clay -----	23	34	Clay -----	18	190
Sand -----	1	35	Sand -----	2	192
Clay -----	25	60	Clay -----	40	232
Sand -----	1	61	Sand -----	2	234
Clay -----	24	85	Clay -----	6	240
Sand -----	1	86	Sand -----	4	244
Clay -----	9	95	Clay -----	23	267
Sand -----	2	97	"Cement" and sand ---	9	276
Clay -----	13	110	Sand -----	3	279
Sand -----	2	112	Clay -----	11	290
Clay -----	38	150	Sand -----	3	293
Sand -----	2	152	Clay -----	8	301

7N/11W-2J1. Drilled by R. H. Orr in 1923. 12-inch casing 0-100 ft, 8 $\frac{1}{4}$ -inch perforated casing 89-351 ft. Altitude about 2,379 ft.

Soil -----	11	11	Clay -----	18	170
"Quicksand" -----	5	16	Sand -----	3	173
Clay -----	24	40	Clay -----	27	200
Sand -----	2	42	Sand -----	2	202
Clay -----	18	60	Clay and "cement" ---	38	240
Sand -----	2	62	Sand -----	3	243
Clay -----	18	80	Clay and "cement" ---	39	282
Sand -----	3	83	Sand -----	3	285
"Cement" and clay ----	27	110	Clay and "cement" ---	25	310
Sand -----	5	115	Sand -----	6	316
Clay -----	10	125	Clay, sticky -----	9	325
Sand -----	3	128	Clay -----	15	340
Clay -----	22	150	Sand -----	2	342
Sand -----	2	152	Clay, sticky -----	3	345
			No record -----		351

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-2N1. Owner unknown, formerly Alex Burns. 12-inch casing 0-336 ft, perforated 195-336 ft. Altitude about 2,378 ft.

Sand and clay -----	50	50	Clay -----	50	250
Clay -----	20	70	Clay and gravel -----	20	270
Clay and sand -----	30	100	Boulders and sand ---	30	300
Sand -----	40	140	Sand -----	20	320
Clay -----	20	160	Clay -----	7	327
Gravel -----	20	180	Clay, blue -----	9	336
Clay and gravel -----	20	200			

7N/11W-2R1. D. V. Surrent, former owner M. E. Felt. Drilled by R. H. Orr in 1916. 6-inch casing 0-82 ft, 5-inch perforated casing 70-279 ft. Altitude about 2,383 ft.

Soil -----	14	14	Sand -----	2	150
Clay -----	6	20	Clay -----	22	172
Sand -----	1	21	Sand -----	3	175
Clay -----	21	42	Clay -----	27	202
Sand -----	1	43	Sand -----	2	204
Clay -----	33	76	Clay -----	30	234
Sand -----	2	78	Sand -----	2	236
Clay -----	10	88	Clay -----	27	263
Sand -----	2	90	Sand -----	2	265
Clay -----	17	107	Clay -----	11	276
Sand -----	2	109	Sand -----	2	278
Clay -----	39	148	"Cement" -----	4	282

7N/11W-2Z1. Harry L. Cissell, formerly Fred Coltzau. Drilled by R. H. Orr in 1923. 12-inch casing 0-100 ft, 10-inch perforated casing 92-325 ft. Altitude about 2,368 ft.

Soil -----	15	15	Clay -----	21	108
Sand -----	2	17	Sand -----	2	110
Clay -----	8	25	Clay -----	15	125
Sand -----	2	27	Sand -----	3	128
Clay -----	23	50	Clay -----	22	150
Sand and "cement" ----	15	65	Sand -----	3	153
Clay -----	20	85	Clay -----	17	170
Sand -----	2	87	Sand -----	2	172



## 7N/11W-2Z1.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay -----	13	185	Sand and "cement" ---	2	252
Sand -----	3	188	Clay -----	18	270
Clay -----	22	210	Sand and "cement" ---	3	273
Sand and "cement" ----	3	213	Clay -----	27	300
Clay -----	12	225	Sand -----	3	303
Sand and "cement" ----	3	228	Clay, blue -----	23	326
Clay -----	22	250			

7N/11W-3B1. Wallace Hiebert, formerly Smith. Drilled by R. H. Orr in 1925. 12-inch casing 0-99 ft, 10-inch perforated casing 91-302 ft. Altitude about 2,357 ft.

Soil -----	20	20	Clay and "cement" ---	25	170
Sand -----	1	21	Sand -----	1	171
Clay -----	19	40	Clay and "cement" ---	35	206
Sand -----	1	41	Sand -----	4	210
Clay -----	19	60	Clay and "cement" ---	10	220
Sand -----	2	62	Sand -----	1	221
Clay -----	18	80	Clay and "cement" ---	19	240
Sand -----	2	82	Sand -----	2	242
Clay -----	24	106	Clay -----	20	262
Sand -----	3	109	Sand -----	4	266
Clay -----	14	123	Clay -----	18	284
Sand -----	4	127	Sand -----	2	286
Clay and "cement" ----	16	143	Clay -----	16	302
Sand -----	2	145			

7N/11W-3E2. R. K. W. Investment Co., formerly Garland. Drilled in 1951. 14-inch casing 0-318 ft, perforated 142-318 ft. Altitude about 2,361 ft.

Sand and clay -----	50	50	Sand and clay -----	30	230
Sand -----	30	80	Boulders and clay ---	20	250
Gravel -----	20	100	Sand -----	30	280
Sand -----	50	150	Gravel and clay -----	20	300
Gravel and sand -----	30	180	Sand -----	15	315
Sand -----	20	200	Clay, blue -----	3	318



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-3Z1. Owner unknown, formerly A. C. Hubbard. Drilled by R. H. Orr in 1925. 12-inch casing 0-100 ft, 10½-inch casing 90-120 ft, 8¼-inch casing 120-302 ft, perforated 90-302 ft. Altitude about 2,363 ft.

Soil -----	22	22	Sand -----	4	198
Sand -----	1	23	Clay -----	27	225
Clay -----	22	45	Sand -----	3	228
Sand -----	1	46	Clay -----	10	238
Clay -----	24	70	Sand -----	3	241
Sand -----	2	72	Clay -----	9	250
Clay -----	36	108	Sand -----	2	252
Sand -----	4	112	Clay -----	23	275
Clay and "cement" ----	18	130	Sand -----	3	278
Sand -----	2	132	Clay -----	14	292
Clay, "slick" -----	33	165	Sand -----	2	294
Sand -----	5	170	Clay -----	8	302
Clay -----	24	194			

7N/11W-6Z3. Owner unknown, formerly C. F. Nelson. Drilled by R. H. Orr in 1919. 12-inch casing 0-82 ft, 10-inch perforated casing 70-302 ft. Altitude about 2,347 ft.

Soil -----	10	10	Sand -----	2	152
Sand -----	1	11	Clay -----	10	162
Clay -----	19	30	Sand -----	3	165
Sand -----	2	32	Clay -----	10	175
Clay -----	18	50	Sand -----	1	176
Sand -----	1	51	Clay -----	24	200
Clay -----	34	85	Sand -----	1	201
Sand -----	3	88	Clay -----	24	225
Clay -----	12	100	Sand -----	2	227
Sand -----	2	102	Clay -----	38	265
Clay -----	18	120	Sand -----	5	270
Sand -----	3	123	Clay, blue -----	32	302
Clay -----	27	150			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-7J1. Lancaster Gardens. Drilled by Evans Bros. Drilling Co. in 1954. 14-inch casing 0-595 ft, perforated 295-595 ft. Altitude about 2,377 ft.

Clay and sand -----	20	20	Sand, soft -----	45	355
Sand, coarse -----	65	85	Clay -----	25	380
Sand -----	20	105	Sand with streaks of		
Sand with streaks of			clay -----	85	465
clay -----	45	150	Clay -----	20	485
Sand, hard -----	20	170	Sand with streaks of		
Clay with streaks of			hard sand -----	40	525
sand -----	73	243	Clay with streaks of		
Sand -----	45	288	sand -----	62	587
Sand with streaks of			Clay, blue -----	8	595
clay -----	22	310			

7N/11W-8M1. Aberystwyth Water Co. Drilled by F. Rottman in 1962. 14-inch casing 0-600 ft, perforated 290-600 ft. Altitude about 2,372 ft.

Clay, hard, and sand -	68	68	Clay, sandy, and		
Sand and clay -----	102	170	rocks -----	37	387
Sand, gravel, and			Sand, gravel, and		
clay -----	51	221	clay -----	63	450
Clay -----	8	229	Gravel, coarse, loose-	39	489
Sand, gravel, and			Gravel, coarse, loose,		
clay -----	25	254	with streaks of		
Clay -----	5	259	clay -----	71	560
Sand and gravel, with			Sand with streaks of		
streaks of clay ----	27	286	clay -----	40	600
Sand with streaks of			Sand and blue clay ---	5	605
clay -----	64	350	Clay, blue -----		605+

7N/11W-8R1. Drilled by F. Rottman in 1950. 8-inch casing 0-154 ft, perforated 70-154 ft. Altitude about 2,384 ft.

Sand -----	50	50	Sand -----	25	125
Clay and gravel -----	20	70	Gravel and sand -----	29	154
Sand and clay -----	30	100			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-10N3. Simi Bros. Ranch. Drilled by F. Rottman in 1961.  
10-3/4-inch casing 0-505 ft, perforated 225-505 ft. Altitude about 2,394 ft.

Sand, fine -----	17	17	Clay -----	10	315
Sand, clay, and boulders -----	18	35	Clay, sandy -----	5	320
Sand with streaks of clay -----	25	60	Sand with streaks of clay -----	30	350
Clay with streaks of red sand -----	105	165	Clay, sandy, hard, and rocks -----	30	380
Sand and rocks -----	18	183	Gravel, coarse, with streaks of clay ---	125	505
Sand with streaks of clay -----	122	305			

7N/11W-10Q1. Owner unknown, formerly D. E. Rice. Drilled by R.&C.  
Drilling Co. in 1946. 12-inch casing 0-300 ft, perforated 180-300 ft.  
Altitude about 2,402 ft.

Sand, fine -----	62	62	Sand -----	26	239
Sand, coarse -----	20	82	Sand and gravel -----	13	252
Clay, sandy -----	27	109	Sand -----	4	256
Sand, fine -----	18	127	"Shell" -----	2	258
Gravel -----	38	165	Sand -----	13	271
Sand, fine -----	10	175	"Shell" -----	5	276
Gravel -----	24	199	Clay -----	4	280
Gravel, coarse -----	7	206	Sand, hard -----	6	286
"Shell" -----	2	208	Clay -----	5	291
Gravel -----	5	213	Sand, hard -----	9	300

7N/11W-10Z6. J. R. Webb. Drilled by M. I. Stevenson in 1918.  
10-inch casing 0-100 ft, 6 1/2-inch perforated casing 100-332 ft. Altitude about 2,394 ft.

Surface -----	114	114	Gravel -----	20	260
Sand, fine -----	10	124	Clay -----	5	265
Clay -----	16	140	Gravel -----	10	275
Sand, fine -----	8	148	Clay -----	6	281
Clay -----	17	165	Gravel -----	20	301
Sand, coarse -----	10	175	Clay -----	5	306
Clay -----	29	204	Gravel -----	15	321
Sand, coarse -----	10	214	Clay -----	11	332
Clay -----	26	240			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-11C2. Vernon Barkley. Drilled by F. Rottman in 1955.  
6-inch casing 0-340 ft, perforated 200-340 ft. Altitude about 2,380 ft.

Top soil and clay ----	10	10	Sand and some clay --	60	240
Sand, fine -----	5	15	Sand with streaks		
Sand, fine, and clay -	50	65	of clay -----	60	300
Sand, coarse, and			Sand -----	20	320
clay -----	10	75	Sand with streaks		
Sand, fine, and clay -	105	180	of clay -----	20	340

7N/11W-11D3. Drilled by M. I. Stevenson in 1924. 12-inch casing  
0-120 ft, 10-inch perforated casing 120-306 ft. Altitude about 2,387 ft.

Surface -----	120	120	Clay -----	3	200
Sand, water-bearing --	6	126	Sand, water-bearing --	11	211
Clay -----	14	140	Clay -----	5	216
Sand, water-bearing --	3	143	Sand, water-bearing --	6	222
Clay -----	12	155	Clay -----	10	232
Sand, water-bearing --	3	158	Sand, water-bearing --	12	244
Clay -----	3	161	Clay -----	4	248
Sand, water-bearing --	10	171	Sand, water-bearing --	18	266
Clay -----	3	174	Clay -----	7	273
Sand, water-bearing --	4	178	Sand, water-bearing --	6	279
Clay -----	5	183	Clay -----	2	281
Sand, water-bearing --	8	191	Sand, water-bearing --	7	288
Clay -----	2	193	Clay -----	18	306
Sand, water-bearing --	4	197			

7N/11W-11Q1. H. C. Shafer, formerly Rice. Drilled by F. Rottman  
in 1947. 14-inch casing 0-450 ft, perforated 138-450 ft. Altitude  
about 2,404 ft.

Sand -----	50	50	Sand and clay -----	30	300
Sand and gravel -----	50	100	Clay and boulders ---	30	330
Clay -----	30	130	"Rough drilling" ----	20	350
Clay and gravel -----	20	150	Clay and sand -----	20	370
Boulders and clay ----	50	200	Boulders and clay ---	30	400
Rock -----	20	220	Boulders and sand ---	30	430
Clay -----	30	250	Clay and boulders ---	20	450
Boulders and sand ----	20	270			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-14Pl. W. R. Smith, formerly F. C. Marcotti. Drilled by F. Rottman in 1949. 14-inch casing 0-600 ft, perforated 248-600 ft. Altitude about 2,425 ft.

Surface soil -----	20	20	Sand, hard, and		
Clay, sandy -----	20	40	clay -----	51	371
Gravel and clay -----	80	120	Boulders -----	19	390
Sand and gravel -----	50	170	Gravel and sand -----	25	415
Sand, fine -----	30	200	Clay and sand -----	47	462
Clay, sandy -----	50	250	Clay and gravel -----	42	504
Clay -----	30	280	Sand -----	67	571
Sand, hard, and clay -	20	300	Sand and boulders ---	27	598
Gravel and clay -----	20	320	Clay, blue -----	2	600

7N/11W-15A1. Deutsch & Ricler, formerly Phillip Cook. Drilled by R. & C. Drilling Co. in 1950. 14-inch casing 0-620 ft, perforated 236-620 ft. Altitude about 2,410 ft.

"Blow sand" -----	5	5	Sand with streaks		
Surface sand and clay-	64	69	of clay -----	37	417
Sand and gravel, with			Sand and gravel -----	43	460
streaks of clay ----	82	151	Clay -----	5	465
Sand and gravel -----	35	186	Sand and gravel -----	46	511
"Quicksand" -----	52	238	Sand with streaks		
Sand -----	19	257	of clay -----	52	563
Sand and gravel, with			Sand and gravel -----	26	589
streaks of clay ----	28	285	Clay -----	7	596
Sand, hard -----	25	310	Sand and gravel -----	19	615
Sand and gravel -----	63	373	Clay, blue -----	5	620
Clay -----	7	380			

Thickness Depth		Thickness Depth	
(feet)	(feet)	(feet)	(feet)

7N/11W-15D3. Simi Bros. Ranch. Drilled by F. Rottman in 1963.  
16-inch casing 0-613 ft, perforated 250-593 ft. Altitude about 2,400 ft

No entry -----	45	45	Sand with streaks of		
Clay with streaks of			clay -----	35	305
sand -----	35	80	Sand -----	50	355
Clay -----	12	92	Gravel, coarse -----	30	385
Sand, gravel, and			Sand, coarse, and		
clay -----	33	125	clay -----	7	392
Sand and gravel -----	30	155	Sand, coarse -----	64	456
Rocks, sand, and			Sand, coarse, with		
gravel -----	53	208	streaks of clay ---	14	470
Sand and gravel -----	10	218	Sand and gravel -----	119	589
Rocks and sand -----	6	224	Clay and sand -----	6	595
Sand and fine gravel -	46	270	Clay, blue -----	25	620

7N/11W-15G1. Simi Bros. Ranch. Drilled by F. Rottman in 1961.  
13-inch casing 0-609 ft, perforated 250-609 ft. Altitude about 2,415 ft.

Surface soil and			Sand, firm, with		
clay -----	30	30	streaks of clay ---	14	387
Sand with streaks of			Sand with streaks of		
clay -----	32	62	clay -----	18	405
Clay -----	13	75	Clay, sandy -----	35	440
Sand and gravel, with			Sand with streaks of		
streaks of clay ---	135	210	clay -----	7	447
Clay, hard -----	5	215	Sand and gravel, with		
Gravel and rock, with			streaks of clay ---	118	565
streaks of clay ---	128	343	Sand, gravel, and		
Sand with streaks of			clay -----	17	582
clay -----	30	373	Sand, coarse -----	23	605
			Clay, blue -----	4	609

7N/11W-16B2. Drilled by R. H. Orr in 1916. 10-inch casing  
0-303 ft. Altitude about 2,396 ft.

Soil -----	25	25	Clay -----	20	84
Sand -----	1	26	Sand -----	1	85
Clay -----	17	43	Clay -----	20	105
Sand -----	1	44	Sand -----	2	107
Clay -----	19	63	Clay -----	58	165
Sand -----	1	64	Sand -----	2	167

## 7N/11W-16B2.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay -----	16	183	Sand -----	2	262
Sand -----	2	185	Clay -----	21	283
Clay -----	18	203	Sand -----	2	285
Sand -----	6	209	Clay -----	18	303
Clay -----	51	260			

7N/11W-16H1. P. G. Schroeder. Drilled by R. H. Orr in 1924.  
10-inch casing 0-101 ft, 6½-inch perforated casing 90-400 ft. Altitude  
about 2,403 ft.

Soil -----	29	29	Sand -----	3	182
Sand -----	1	30	Clay -----	8	190
Clay -----	5	35	Sand -----	3	193
Sand -----	2	37	Clay -----	32	225
Clay -----	23	60	Sand -----	1	226
Sand -----	2	62	Clay -----	33	259
Clay -----	23	85	"Cement" and sand ----	40	299
Sand -----	2	87	Clay -----	26	325
Clay -----	28	115	Sand -----	2	327
Sand -----	2	117	Clay, hard -----	23	350
Clay -----	28	145	Sand -----	2	352
Sand -----	4	149	Clay and "cement" ----	23	375
Clay -----	21	170	Sand -----	8	383
Sand -----	2	172	Clay, hard -----	19	402
Clay -----	7	179			

7N/11W-16H2. P. G. Schroeder. Drilled by F. Rottman in 1953.  
12-inch casing 0-395 ft, perforated 197-395 ft. Altitude about 2,403 ft.

Top soil -----	25	25	Sand, hard, and		
Sand, coarse -----	10	35	some clay -----	20	155
Gravel and rocks ----	10	45	Sand, fine, with		
Gravel, coarse, hard -	15	60	streaks of clay ----	20	175
Gravel, coarse -----	15	75	Sand, hard -----	30	205
Sand, gravel, and			Sand, coarse, loose --	10	215
rock -----	17	92	Sand, hard, packed ---	5	220
Sand, coarse, loose,			Sand, coarse -----	30	250
and rock -----	13	105	Sand, coarse, with		
Sand and gravel -----	20	125	streaks of clay ----	30	280
Sand with streaks			Sand, coarse, hard ---	15	295
of clay -----	10	135	Clay -----	20	315



7N/11W-16H2.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay with streaks			Clay and some sand --	10	378
of gravel -----	10	325	Clay with streaks		
Sand, hard -----	20	345	of sand -----	10	388
Sand and gravel -----	10	355	Clay, hard -----	7	395
Sand, gravel, and					
rocks -----	13	368			

7N/11W-16L1. Drilled by R. H. Orr in 1924. 10-inch casing  
0-122 ft, 8 $\frac{1}{4}$ -inch perforated casing 101-402 ft. Altitude about 2,407 ft.

Soil -----	42	42	Sand -----	2	212
Sand -----	1	43	Clay -----	28	240
Clay -----	13	56	Sand -----	1	241
Sand -----	2	58	Clay -----	9	250
Clay -----	42	100	Sand -----	2	252
Sand -----	1	101	Clay -----	18	270
Clay -----	9	110	Sand -----	2	272
Sand -----	2	112	Clay -----	28	300
Clay -----	26	138	Sand -----	2	302
Sand -----	2	140	Clay -----	18	320
Clay -----	20	160	Sand -----	2	322
Sand -----	2	162	Clay and "cement" ---	33	355
Clay -----	16	178	Sand -----	5	360
Sand -----	5	183	Clay -----	15	375
Clay -----	13	196	Sand -----	2	377
Sand -----	2	198	Clay -----	25	402
Clay -----	12	210			

7N/11W-16M1. Mrs. J. B. Brice. Drilled by F. Rottman in 1962.  
8-5/8-inch casing 0-400 ft, perforated 178-400 ft. Altitude about  
2,405 ft.

Sand and clay -----	40	40	Sand, gravel, and		
Clay and gravel -----	25	65	clay -----	20	230
Sand and clay -----	19	84	Sand and gravel, with		
Clay -----	13	97	streaks of clay ---	60	290
Sand with streaks			Clay, sand, and		
of clay -----	35	132	gravel -----	15	305
Clay -----	22	154	Sand -----	25	330
Sand and clay -----	36	190	Sand, gravel, and		
Clay -----	20	210	clay -----	70	400



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-16P2. C. K. Niblack. Drilled by Evans Bros. Drilling Co. in 1952. 14-inch casing 0-500 ft, perforated 270-500 ft. Altitude about 2,415 ft.

Surface soil -----	16	16	Clay -----	30	422
Sand -----	29	45	Sand and gravel -----	78	500
Sand and gravel -----	17	62			
Sand with thin streaks of clay -----	330	392			

7N/11W-17A1. D. B. Dunsmore. Drilled by Evans Bros. Drilling Co. in 1963. 6-inch casing 0-400 ft. Altitude about 2,391 ft.

Sand, fine, and silty clay -----	200	200	Clay, brown, with streaks of sand ---	44	354
Clay, brown, and sand -----	45	245	Sand with streaks of clay -----	46	400
Sand -----	65	310			

7N/11W-17B1. Du Frene Bros. Drilled by F. Rottman in 1962. 6-inch casing 0-250 ft. Altitude about 2,387 ft.

Surface soil -----	20	20	Sand with streaks of clay -----	80	200
Sand and gravel -----	30	50	Gravel and sand -----	30	230
Sand with streaks of clay -----	30	80	Gravel and clay -----	20	250
Gravel and sand -----	40	120			

7N/11W-17D1. Drilled by Fred Miller in 1954. 14-inch casing 0-500 ft, perforated 220-500 ft. Altitude about 2,392 ft.

Sandy loam -----	10	10	Clay -----	50	280
Sand -----	50	60	Sand, coarse -----	30	310
Clay -----	40	100	Sand and clay -----	70	380
Sand and clay -----	60	160	Sand, hard, packed --	35	415
Sand -----	20	180	Clay -----	30	445
Clay -----	10	190	Gravel-----	15	460
Sand, fine -----	10	200	Sand -----	20	480
Clay and sand -----	30	230	Clay -----	20	500

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-17E1. M. Lewis. Drilled by Harry Austin in 1932. 14-inch casing 0-510 ft. Altitude about 2,396 ft.

No entry -----			"Hard" -----	5	405
"Water" -----		255	"Water" -----	2	407
Clay -----	5	260	"Hard cement" -----	53	460
"Water" -----	6	266	"Water" -----	9	469
Clay and "cement" ----	19	285	"Hard cement" -----	6	475
"Water" -----	4	289	"Water" -----	10	485
Clay and "cement" ----	108	397	"Hard" -----	25	510
"Water" -----	3	400			

NOTE: The entry "water" is presumed to apply to water-bearing material.

7N/11W-17F1. Drilled by R. H. Orr in 1925. 12-inch casing 0-101 ft, 10½-inch casing 91-141 ft, 8¼-inch casing 141-401 ft, perforated 91-401 ft. Altitude about 2,397 ft.

Soil -----	40	40	Clay and "cement" ---	17	230
"Quicksand" -----	5	45	Sand -----	3	233
Clay -----	15	60	Clay and "cement" ---	19	252
Sand -----	2	62	Sand -----	2	254
Clay -----	18	80	Clay and "cement" ----	16	270
Sand -----	2	82	Sand -----	1	271
Clay -----	25	107	Clay and "cement" ---	39	310
Sand -----	4	111	Sand -----	2	312
Clay and "cement" ----	29	140	Clay and "cement" ---	18	330
Sand -----	4	144	Sand -----	2	332
Clay and "cement" ----	26	170	Clay and "cement" ---	33	365
Sand -----	1	171	Sand -----	2	367
Clay and "cement" ----	21	192	Clay "cement" -----	18	385
Sand -----	2	194	Sand -----	3	388
Clay and "cement" ----	16	210	"Cement" -----	13	401
Sand -----	3	213			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-17N1. Former owner Mike Billett. Drilled by F. Rottman in 1944. 14-inch casing 0-270 ft, 10-inch perforated casing 259-589 ft. Altitude about 2,406 ft.

Sand -----	40	40	Clay and rock -----	22	320
Clay -----	15	55	Sand and rock -----	5	325
Sand -----	5	60	Clay and rock -----	15	340
Clay and rock -----	10	70	"Sandrock" -----	5	345
Sand -----	5	75	Clay, hard, and		
Clay and boulders ----	20	95	rock -----	45	390
"Quicksand" -----	20	115	Sand and rock -----	6	396
Clay -----	10	125	Clay and rock -----	44	440
"Quicksand" -----	10	135	Sand -----	5	445
Clay and rock -----	50	185	Clay, soft -----	45	490
Clay, soft -----	25	210	Clay and rock -----	60	550
Clay, hard -----	15	225	Sand and rock -----	10	560
Clay, soft -----	20	245	Clay -----	20	580
Clay and rock -----	10	255	Clay and boulders ---	15	595
Clay, hard -----	35	290	Sand and rock -----	10	605
Sand and rock -----	8	298	Clay -----	13	618

7N/11W-18E1. Holt, formerly M. E. White. Drilled by Evans Bros. Drilling Co. in 1951. 10-inch casing 0-427 ft, perforated 235-427 ft. Altitude about 2,587 ft.

Surface sand and			Sand -----	50	280
gravel -----	50	50	Sand and small		
Sand and gravel, with			gravel -----	30	310
streaks of clay ----	30	80	Sand with streaks		
Clay -----	20	100	of clay -----	20	330
Gravel and sand -----	10	110	Gravel and coarse		
Boulders and gravel --	13	123	sand -----	15	345
Gravel-----	12	135	Gravel and fine		
Clay with streaks			sand -----	45	390
of sand -----	25	160	Sand and gravel -----	20	410
Sand -----	30	190	Sand, gravel, and		
Sand and gravel -----	40	230	boulders -----	17	427

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-18L1. Gardner, formerly B. R. Butters. Drilled by Evans Bros. Drilling Co. in 1951. 12-inch casing 493 ft, perforated 207-493 ft. Altitude about 2,390 ft.

Surface sand with streaks of clay ----	50	50	Sand, clay, and gravel -----	45	255
Boulders, gravel, sand, and clay -----	25	75	Sand and gravel, with thin streaks of clay -----	45	300
Boulders and gravel --	5	80	Sand and gravel -----	25	325
Boulders and gravel, with streaks of clay -----	20	100	Gravel, coarse, with streaks of sand ---	25	350
Gravel with streaks of clay -----	20	120	Sand with streaks of clay -----	20	370
Gravel, coarse -----	5	125	Boulders -----	8	378
Sand and gravel, with streaks of clay ----	21	146	Clay with streaks of sand -----	15	393
Boulders, sand, and clay -----	22	168	Clay with streaks of sand and gravel ---	37	430
Boulders and sand ----	22	190	Clay and gravel ----	20	450
Sand and gravel -----	20	210	Boulders and clay ---	20	470
			Sand and gravel, with streaks of clay ---	23	493

7N/11W-18N1. Helen Huntington, formerly Clay Crapinell. Drilled by R. H. Orr in 1917. 10-inch casing 0-80 ft, 6½-inch perforated casing 60-290 ft. Altitude about 2,396 ft.

Soil -----	32	32	Sand -----	3	153
Sand -----	1	33	Clay -----	62	215
Clay -----	9	42	Sand -----	3	218
Sand -----	1	43	Clay -----	7	225
Clay -----	44	87	Sand -----	2	227
Sand -----	2	89	Clay -----	23	250
Clay -----	8	97	Sand -----	2	252
Sand -----	2	99	Clay -----	23	275
Clay -----	26	125	Sand -----	5	280
Sand -----	3	128	Clay -----	20	300
Clay -----	22	150			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-18R1. Rockwell, formerly M. H. Billett. Drilled by R. H. Orr in 1924. 10-inch casing 0-105 ft, 6½-inch perforated casing 90-391 ft. Altitude about 2,402 ft.

Soil -----	30	30	Clay -----	33	248
Sand -----	1	31	"Cement" -----	10	258
Clay -----	5	36	Clay -----	2	260
Sand -----	2	38	Sand -----	4	264
Clay -----	50	88	Clay -----	21	285
Sand -----	3	91	Sand -----	3	288
Clay -----	21	112	Clay -----	22	310
Sand -----	2	114	Sand -----	1	311
Clay -----	21	135	Clay -----	33	344
Sand -----	1	136	Sand -----	2	346
Clay -----	42	178	Clay -----	24	370
Sand -----	2	180	Sand -----	4	374
"Cement" -----	20	200	Clay -----	16	390
Clay -----	12	212	Sand -----	1	391
Sand -----	3	215			

7N/11W-18R2. Rockwell, formerly M. H. Billett. Drilled by F. Rottman in 1944. 14-inch casing 0-290 ft, 10-inch perforated casing 277-618 ft. Altitude about 2,402 ft.

Sand -----	40	40	Clay and rock -----	22	320
Clay -----	15	55	Sand and rock -----	5	325
Sand -----	5	60	Clay and rock -----	15	340
Clay and rock -----	10	70	Sand and rock -----	5	345
Sand -----	5	75	Clay, hard, and		
Clay and boulders -----	20	95	rock -----	45	390
"Quicksand" -----	20	115	Sand and rock -----	6	396
Clay -----	10	125	Clay and rock -----	44	440
"Quicksand" -----	10	135	Sand -----	5	445
Clay and rock -----	50	185	Clay, soft -----	45	490
Clay, soft -----	25	210	Clay and rock -----	60	550
Clay, hard -----	15	225	Sand and rock -----	10	560
Clay, soft -----	20	245	Clay -----	20	580
Clay and rock -----	10	255	Clay and boulders ---	15	595
Clay, hard -----	35	290	Sand and rock -----	10	605
Sand and rock -----	8	298	Clay -----	13	618

Thickness Depth		Thickness Depth	
(feet)	(feet)	(feet)	(feet)

7N/11W-19B1. Drilled by R. & C. Drilling Co. in 1946. 14-inch casing 0-501 ft, perforated 177-501 ft. Altitude about 2,405 ft.

Clay -----	9	9	Boulders -----	10	274
Sand with streaks			Sand, hard, packed --	23	297
of clay -----	31	40	Boulders -----	7	304
Sand and clay -----	12	52	Sand and clay -----	31	335
Boulders -----	12	64	Sand -----	45	380
Sand and clay -----	41	105	Clay -----	4	384
Sand -----	11	116	Sand -----	35	419
Sand and clay -----	14	130	Boulders -----	5	424
Sand -----	15	145	Sand -----	39	463
Sand, hard, packed ---	22	167	Clay -----	23	486
Clay, sandy -----	27	194	Boulders -----	3	489
Sand, hard -----	20	214	Sand -----	3	492
Boulders -----	5	219	Boulders -----	6	498
Sand, hard -----	15	234	Sand -----	2	500
Sand -----	6	240	Boulders -----	2	502
Boulders -----	2	242	Sand -----	5	507
Sand -----	22	264	Clay, red -----	1	508

7N/11W-19E1. El Rancho Trailer Park. Drilled by Fred Miller in 1956. 8-inch casing 0-508 ft, perforated 308-508 ft. Altitude about 2,405 ft.

Sandy loam -----	10	10	Sand, hard -----	20	280
Sand -----	10	20	Sand -----	10	290
Sand and clay -----	10	30	Clay -----	15	305
Clay -----	10	40	Sand -----	15	320
Sand -----	65	105	Gravel -----	20	340
Clay -----	5	110	Clay and sand -----	20	360
Gravel -----	10	120	Clay -----	10	370
Sand -----	10	130	Sand -----	20	390
Clay -----	10	140	Clay -----	10	400
Gravel -----	10	150	Sand, hard -----	10	410
Sand, hard -----	10	160	Clay -----	10	420
Clay -----	10	170	Sand -----	10	430
Sand, hard -----	20	190	Clay -----	20	450
Clay -----	15	205	Sand -----	20	470
Sand -----	15	220	Clay -----	10	480
Sand and gravel -----	20	240	Gravel -----	10	490
Sand -----	20	260	Clay -----	18	508

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-19N2. Rex Davis. Drilled by Evans Bros. Drilling Co. in 1952. 14-inch casing 0-501 ft, perforated 285-501 ft. Altitude about 2,430 ft.

Surface sand -----	45	45	Sand -----	33	248
Sand, coarse, and clay -----	20	65	Sand with streaks of clay -----	12	260
Clay -----	14	79	Sand, hard -----	10	270
Sand -----	7	86	Sand -----	30	300
Clay -----	10	96	Clay and coarse sand-	20	320
Clay with streaks of sand -----	24	120	Sand and clay -----	10	330
Sand, hard -----	4	124	Clay and gravel -----	40	370
Sand with streaks of clay -----	6	130	Sand and clay, with streaks of gravel -	34	404
Sand, hard -----	12	142	Sand and gravel, with streaks of clay ---	34	438
Sand and gravel -----	5	147	Clay -----	18	456
Clay and sand -----	11	158	Sand with streaks of clay -----	21	477
Clay and coarse sand -	18	176	Clay with streaks of sand -----	24	501
Sand with streaks of clay -----	39	215			

7N/11W-20B1. Former owner John Targison. Drilled by F. Rottman in 1944. 14-inch casing 0-250 ft, 10-inch perforated casing 237-635 ft. Altitude about 2,410 ft.

Sand -----	60	60	Rock -----	29	511
Clay -----	10	70	Clay and boulders ---	12	523
Sand -----	3	73	Clay, hard -----	7	530
Clay -----	12	85	Rock -----	1	531
Sand -----	5	90	Clay and boulders ---	15	546
Clay -----	45	135	Rock and sand -----	4	550
Sand -----	7	142	Clay and boulders ---	5	555
Clay -----	93	235	Clay, soft -----	5	560
Clay and boulders ----	53	288	Clay, hard -----	10	570
Clay, soft -----	10	298	Clay, soft -----	50	620
Clay and boulders ----	169	467	Clay -----	15	635
Clay -----	15	482			



Thickness Depth		Thickness Depth	
(feet)	(feet)	(feet)	(feet)

7N/11W-20F2. Former owner Walter McLane. Drilled by Fred Miller in 1955. 14-inch casing 0-682 ft, perforated 249-682 ft. Altitude about 2,416 ft.

Sandy loam -----	10	10	Gravel -----	10	410
Sand -----	20	30	Clay and sand -----	20	430
Gravel -----	20	50	Clay -----	10	440
Clay -----	10	60	Rock -----	10	450
Sand -----	10	70	Clay -----	10	460
Clay -----	10	80	Gravel -----	10	470
Sand -----	10	90	Clay -----	10	480
Gravel -----	10	100	Gravel -----	10	490
Clay -----	10	110	Clay -----	20	510
Sand -----	20	130	Gravel -----	20	530
Clay -----	20	150	Clay -----	10	540
Sand -----	10	160	Sand -----	10	550
Clay -----	20	180	Clay -----	20	570
Clay -----	20	200	Rock -----	20	590
Sand and gravel -----	20	220	Rock -----	10	600
Sand -----	20	240	Clay -----	10	610
Sand, hard -----	10	250	Gravel -----	10	620
Sand -----	20	270	Clay -----	10	630
Clay -----	50	320	Gravel -----	10	640
Sand -----	10	330	Clay -----	10	650
Clay -----	10	340	Sand -----	10	660
Sand -----	10	350	Sand and gravel -----	10	670
Clay and sand -----	30	380	Clay, blue -----	12	682
Rock and clay -----	20	400			

7N/11W-20N1. Drilled by F. Rottman in 1961. 14-inch casing 0-684 ft, perforated 204-684 ft. Altitude about 2,425 ft.

Sand, fine -----	25	25	Sand, coarse, and		
Sand, coarse -----	25	50	clay -----	130	445
Sand, coarse, and			Sand with streaks		
clay -----	58	108	of clay -----	95	540
Sand, gravel, and			Clay, sandy -----	8	548
clay -----	32	140	Sand -----	57	605
Clay -----	11	151	Sand with streaks		
Sand and rocks -----	12	163	of clay -----	70	675
Sand, rocks, and clay-	42	205	Clay, brown and blue,		
Sand, hard, packed,			with streaks of		
and gravel -----	53	258	sand -----	5	680
Sand, coarse, and			Clay, blue -----	4	684
fine -----	57	315			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-20Pl. Andrew Monsello. Drilled by F. Rottman in 1962.  
12-inch casing 0-654 ft, perforated 310-654 ft. Altitude about 2,425 ft.

Surface soil -----	6	6	Gravel with streaks		
Sand -----	5	11	of clay -----	116	320
Gravel and sand, with			Sand with streaks		
streaks of clay ----	35	46	of clay -----	20	340
Sand, coarse, with			Clay, gravel, and		
streaks of clay ----	21	67	sand -----	40	380
Clay -----	39	106	Clay and sand -----	55	435
Sand with streaks			Clay -----	65	500
of clay -----	14	120	Sand with streaks		
Clay, sandy -----	12	132	of clay -----	20	520
Sand, coarse, with			Sand, coarse, with		
streaks of clay ----	52	184	streaks of clay ---	133	653
Sand, medium -----	13	197	Clay, blue -----	6	659
Clay, hard, with streaks					
of soft clay -----	7	204			

7N/11W-21Pl. Andrew Monsello. Drilled by Fred Miller in 1951.  
14-inch casing 0-693 ft. Altitude about 2,456 ft.

Sand, fine -----	50	50	Sand -----	15	400
Sand, coarse -----	83	133	Sand and gravel ----	10	410
Sand -----	7	140	Sand -----	10	420
Sand, fine, and clay -	10	150	Sand and clay -----	10	430
Sand -----	10	160	Clay -----	10	440
Gravel and clay ----	10	170	Sand -----	15	455
Gravel -----	20	190	Sand and rock -----	5	460
Clay -----	10	200	Sand -----	25	485
Sand -----	5	205	Sand and clay -----	10	495
Clay -----	5	210	Clay -----	10	505
Sand -----	20	230	Sand -----	5	510
Sand and clay -----	10	240	Sand and clay -----	10	520
Sand -----	10	250	Sand -----	10	530
Sand, hard -----	10	260	Sand and clay -----	10	540
Sand, soft -----	30	290	Sand and rock -----	20	560
Sand and clay -----	26	316	Rock and gravel ----	10	570
Clay -----	9	325	Sand and gravel ----	10	580
Sand -----	30	355	Clay and rock -----	10	590
Sand and rock -----	10	365	Rock -----	10	600
Sand and clay -----	10	375	Clay and rock -----	10	610
Sand and rock -----	10	385	Sand -----	10	620

7N/11W-21P1.--Continued.

Thickness Depth (feet) (feet)			Thickness Depth (feet) (feet)		
Sand and rock -----	10	630	Sand -----	10	670
Clay -----	10	640	Sand and clay -----	10	680
Rock -----	10	650	Rock -----	5	685
Clay -----	10	660	Shale, blue -----	8	693

7N/11W-21R1. Former owner Frombach Ranch. Drilled by Chas. Mason in 1917. 12-inch casing 0-170 ft, 10-inch perforated casing 160-550 ft. Altitude about 2,442 ft.

Surface -----	70	70
Clay -----	8	78
Sand -----	4	82
Sand and gravel strata alternated with clay strata, varied from 6 to 15 ft thick -----	463	545
Clay, white -----	5	550

7N/11W-23H3. Grana, formerly Leo Porter. Drilled by Evans Bros. Drilling Co. in 1951. 12-inch casing 0-475 ft, perforated 270-475 ft. Altitude about 2,435 ft.

Surface sand with streaks of clay -----	99	99
Gravel and boulders -----	6	105
Sand and gravel -----	85	190
Sand and gravel, with streaks of clay -----	55	245
Gravel with streaks of clay -----	7	252
Clay and gravel -----	50	302
Sand with streaks of clay -----	33	335
Sand and gravel, with streaks of clay -----	55	390
Sand, hard -----	20	410
Gravel and boulders -----	10	420
Sand and gravel -----	38	458
Sand, hard, with streaks of clay -----	12	470
Clay -----	5	475

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-23K1. Drilled by R. H. Orr in 1925. 8-inch casing 0-148 ft, 6½-inch perforated casing 140-350 ft. Altitude about 2,441 ft.

Soil -----	80	80	Clay -----	19	250
Sand -----	3	83	Sand -----	2	252
Clay -----	27	110	Clay -----	18	270
Sand -----	3	113	Sand -----	2	272
Clay -----	17	130	Clay -----	28	300
Sand -----	2	132	Sand -----	2	302
Clay -----	41	173	Clay -----	8	310
Sand -----	5	178	Sand -----	1	311
Clay -----	17	195	Clay -----	19	330
Sand -----	2	197	Sand -----	2	332
Clay -----	13	210	Clay and "cement" ---	13	345
Sand -----	2	212	Sand -----	1	346
Clay -----	18	230	Clay and "cement" ---	4	350
Sand -----	1	231			

7N/11W-23L1. 8-inch casing in dug pit. Altitude about 2,438 ft.

"Surface" -----	106	106	Sand, fine, water-		
Clay -----	11	117	bearing -----	208	325
			Clay -----	2	327

7N/11W-23P1. Lancaster Farm Co. Drilled by F. Rottman in 1962. 14-inch casing 0-650 ft, perforated 325-650 ft. Altitude about 2,447 ft.

Surface soil -----	20	20	Sand, hard -----	15	315
Clay -----	15	35	Clay, sandy, and		
Clay, sandy -----	27	62	gravel -----	60	375
Sand with streaks			Clay and a little		
of clay -----	43	105	sand -----	25	400
Sand, gravel, and			Clay -----	125	525
rocks -----	12	117	Sand with streaks		
Sand and gravel -----	78	195	of clay -----	35	560
Sand, gravel, and			Sand -----	55	615
clay -----	105	300	Sand and gravel -----	35	650

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-23R1. Lancaster Farm Co. Drilled by Fred Miller in 1954.  
14-inch casing 0-630 ft, perforated 248-630 ft. Altitude about 2,450 ft.

Sandy loam -----	10	10	Sand, coarse -----	30	340
Clay -----	10	20	Clay -----	10	350
Gravel -----	10	30	Rock and sand -----	40	390
Clay -----	10	40	Clay -----	10	400
Sand -----	20	60	Sand and rock -----	30	430
Clay -----	10	70	Clay -----	10	440
Sand -----	30	100	Sand and rock -----	10	450
Sand, fine -----	10	110	Clay -----	10	460
Sand, hard -----	10	120	Sand -----	10	470
Sand -----	60	180	Clay -----	25	495
Clay -----	10	190	Sand and rock -----	25	520
Sand, hard -----	10	200	Clay -----	10	530
Gravel -----	35	235	Rock and sand -----	40	570
Sand, hard -----	5	240	Clay -----	10	580
Gravel -----	20	260	Sand -----	20	600
Clay -----	10	270	Rock -----	10	610
Sand -----	30	300	Rock and sand -----	10	620
Clay -----	10	310	Rock and blue clay --	10	630

7N/11W-27G1. James Provenzano. Drilled by F. Rottman in 1945.  
16-inch casing 0-600 ft, perforated 250-600 ft. Altitude about 2,454 ft.

Sand -----	10	10	Clay -----	16	388
Clay -----	30	40	Sand and gravel -----	2	390
Sand and gravel -----	10	50	Clay, hard -----	38	428
Clay -----	30	80	Sand and boulders ---	10	438
Sand -----	5	85	Sand, hard -----	22	460
Clay, rocky -----	40	125	Clay and boulders ---	5	465
Sand -----	5	130	Sand, hard, and		
Clay, rocky -----	30	160	boulders -----	15	480
Clay, hard -----	55	215	Clay -----	40	520
Sand and gravel -----	5	220	Sand -----	6	526
Boulders and clay ----	28	248	Clay, rocky -----	14	540
Sand and rock -----	7	255	Rock -----	4	544
Clay and boulders ----	15	270	Boulders and clay ---	16	560
Sand, boulders, and			Rock and sand -----	5	565
hard sand -----	70	340	Clay and boulders ---	20	585
Sandstone -----	8	348	Sand and boulders ---	5	590
Clay -----	20	368	Clay -----	10	600
Rock and gravel -----	4	372			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-27P1. L. R. Martin, formerly R. B. Campbell. Drilled by R. H. Orr in 1921. 16-inch casing 0-116 ft, 10-inch perforated casing 110-400 ft. Altitude about 2,463 ft.

Soil -----	55	55	Sand -----	2	202
Sand -----	2	57	Clay -----	30	232
Clay -----	8	65	Sand -----	4	236
Sand -----	2	67	Clay -----	21	257
Clay -----	37	104	Sand -----	3	260
Sand -----	1	105	Clay -----	2	262
Clay -----	30	135	Sand -----	2	264
Sand -----	2	137	Clay -----	36	300
Clay -----	3	140	Sand -----	2	302
Sand -----	2	142	Clay -----	23	325
Clay -----	8	150	Sand -----	1	326
Sand -----	2	152	Clay and "cement" ---	19	345
Clay -----	23	175	Sand -----	2	347
Sand -----	3	178	Clay and "cement,"		
Clay -----	22	200	very hard -----	54	401

7N/11W-28E2. Coffey Ranch, formerly F. H. Wilson. Drilled by R. H. Orr in 1926. 12-inch casing 0-128 ft, 10-inch perforated casing 120-401 ft. Altitude about 2,442 ft.

Soil -----	52	52	Sand -----	5	225
Sand -----	2	54	Clay and "cement" ---	25	250
Clay -----	24	78	Sand -----	1	251
Sand -----	2	80	Clay and "cement" ---	39	290
Clay and "cement" ---	30	110	Sand -----	3	293
Sand -----	2	112	Clay and "cement" ---	28	321
Clay and "cement" ---	33	145	Sand -----	6	327
Sand -----	2	147	Clay and "cement" ---	24	351
Clay and "cement" ---	18	165	Sand -----	2	353
Sand -----	2	167	Clay and "cement" ---	17	370
Clay and "cement" ---	3	170	Sand -----	1	371
Sand -----	2	172	Clay and "cement" ---	19	390
Clay and "cement" ---	18	190	Sand -----	3	393
Sand -----	2	192	"Cement" -----	8	401
Clay and "cement" ---	28	220			

	Thickness (feet)	Depth (feet)
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7N/11W-28F2. Coffe Ranch. Drilled by Evans Bros. Drilling Co. in 1963. 14-inch casing 0-570 ft, no casing 570-1,075 ft. Altitude about 2,444 ft.

Sand with thin streaks of clay -----	200	200
Sand -----	10	210
Clay -----	5	215
Sand with thin streaks of clay -----	75	290
Sand, gravel, and some clay -----	95	385
Sand and gravel, with streaks of brown clay -----	95	480
Sand, fine; gravel, and cobblestones, with streaks of clay -----	40	520
Sand, fine, hard, with streaks of brown clay -----	15	535
Sand and brown clay -----	10	545
Clay, brown, with streaks of sand -----	130	675
Clay, brown, with thin streaks of sand -----	35	710
Clay, blue and gray, with thin streaks of sand -----	50	760
Clay, blue, soft, with streaks of shale -----	100	860
Clay, blue, with "some vegetation" -----	60	920
Clay, brown, black, and blue -----	55	975
Sand, red streaks -----	30	1,005
Clay, brown, sandy -----	30	1,035
Clay, blue, with small amount of sand -----	17	1,052
Rock and some blue clay -----	23	1,075

7N/11W-28H2. Coffe Ranch. Drilled by Evans Bros. Drilling Co. in 1963. 16-inch casing 0-680 ft, perforated 380-680 ft. Altitude about 2,448 ft.

Clay and sand -----	159	159
Clay with streaks of hard sand -----	14	173
Cobblestones -----	7	180
Sand, small gravel, and some brown clay -----	110	290
Sand and sandy brown clay -----	140	430
Clay, brown, with streaks of sand -----	30	460
Sand and fine gravel, with thin streaks of brown clay ----	70	530
Clay with streaks of sand and gravel -----	145	675
Clay, blue -----	5	680



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-28N1. Hugh Clark. Drilled by Evans Bros. Drilling Co. in 1960. 6-inch casing 0-400 ft, perforated 280-400 ft. Altitude about 2,451 ft.

Sand -----	5	5	Sand with thin		
Sand and gravel -----	10	15	streaks of gravel		
Gravel with streaks			and clay -----	90	280
of sand -----	14	29	Clay with streaks		
Sand with streaks			of sand -----	10	290
of silt -----	31	60	Clay, brown, with thin		
Sand with streaks			streaks of rock ---	60	350
of clay -----	130	190	Sand and clay -----	50	400

7N/11W-28P2. Richard Moss. Drilled by Evans Bros. Drilling Co. in 1960. 8-inch casing 0-500 ft. Altitude about 2,453 ft.

Sand -----	3	3	Sand with streaks		
Hardpan -----	2	5	of red clay -----	24	225
Sand -----	15	20	Sand with streaks		
Sand and gravel -----	25	45	of brown clay -----	77	302
Sand with streaks			Sand, hard -----	33	335
of clay -----	80	125	Gravel and clay -----	5	340
Clay -----	15	140	Clay with streaks		
Sand with streaks			of sand -----	62	402
of clay -----	61	201	Clay with thin		
			streaks of sand ---	98	500

7N/11W-29H1. V. Ryckebosch. Drilled by Evans Bros. Drilling Co. in 1954. 14-inch casing 0-679 ft, perforated 319-679 ft. Altitude about 2,442 ft.

Sand -----	87	87	Clay, sandy -----	50	490
Clay -----	23	110	Sand and gravel -----	45	535
Sand and clay -----	22	132	Clay, sandy -----	45	580
Sand, hard -----	45	177	Sand with streaks		
Sand, coarse -----	43	220	of clay -----	90	670
Sand, hard -----	69	289	Sand, coarse -----	7	677
Gravel and boulders --	43	332	Clay, blue -----	2	679
Clay with streaks					
of sand -----	108	440			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-29J1. Eva Motridge. Drilled by Evans Bros. Drilling Co. in 1955. 12-inch casing 0-600 ft, perforated 298-600 ft. Altitude about 2,444 ft.

Sand and hardpan -----	13	13	Sand with streaks		
Cobblestones -----	8	21	of clay -----	177	440
Sand, coarse, and			Clay with streaks		
gravel -----	61	82	of sand -----	120	560
Sand with streaks			Sand -----	18	578
of clay -----	173	255	Clay -----	22	600
Clay, tough, sandy ---	8	263			

7N/11W-30C1. J. Bracker, formerly E. A. Merritt. Drilled by R. H. Orr in 1920. 10-inch casing 0-99 ft, 8 $\frac{1}{4}$ -inch perforated casing 89-279 ft. Altitude about 2,425 ft.

Soil -----	52	52	Clay -----	17	178
Sand -----	1	53	Sand -----	2	180
Clay -----	22	75	Clay -----	28	208
Sand -----	2	77	Sand -----	3	211
Clay -----	41	118	Clay -----	32	243
Sand -----	2	120	Sand -----	5	248
Clay -----	18	138	"Cement" and clay ---	22	270
Sand -----	2	140	Sand -----	2	272
Clay -----	18	158	"Cement" -----	9	281
Sand -----	3	161			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-30D1. Querbach and Moffatt. Drilled by R. H. Orr in 1916.  
10-inch casing 0-298 ft, perforated 90-298 ft. Altitude about 2,428 ft.

Soil -----	16	16	"Cement" -----	2	182
Clay -----	34	50	Sand -----	2	184
Sand -----	1	51	Clay -----	11	195
Clay -----	10	61	Sand -----	5	200
Sand -----	1	62	Clay -----	30	230
Clay -----	8	70	Sand -----	3	233
Sand -----	2	72	Clay -----	12	245
Clay -----	35	107	Sand -----	2	247
Sand -----	2	109	Clay -----	18	265
Clay -----	11	120	Sand -----	2	267
Sand -----	2	122	Clay -----	21	288
Clay -----	32	154	Sand -----	3	291
Sand -----	2	156	"Cement" -----	7	298
Clay -----	24	180			

7N/11W-30M1. John Granicy. Drilled by Evans Bros. Drilling Co.  
in 1962. 14-inch casing 0-666 ft, perforated 265-666 ft. Altitude  
about 2,447 ft.

Sand and gravel with thin streaks of clay and rocks -----	152	152	Gravel, hard, with streaks of brown clay -----	72	385
Sand and gravel with thin streaks of red and brown clay -----	88	240	Sand, hard -----	16	401
Sand with thin streaks of gravel and clay -	73	313	Sand, hard, with streaks of brown clay -----	35	436
			Sand and brown clay -	141	577
			Clay, brown, with streaks of sand ---	89	666

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-30Z1. Former owner H. J. Schabarum. Drilled by F. Rottman in 1940. 16-inch casing 0-210 ft, 10-inch perforated casing 200-500 ft. Altitude about 2,434 ft.

Sand -----	20	20	Gravel -----	6	326
Sand, hard -----	20	40	Clay -----	14	340
Clay -----	80	120	Clay, rocky -----	40	380
Clay, rocky -----	70	190	Boulders and sand ---	30	410
Clay -----	17	207	Rock, hard -----	2	412
Rock, hard -----	8	215	Clay -----	28	440
"Rocky boulders" ----	25	240	Boulders -----	16	456
Clay -----	20	260	Clay -----	14	470
Shale -----	10	270	Shale -----	10	480
Clay -----	30	300	Clay -----	10	490
Clay, rocky -----	20	320	Shale -----	10	500

7N/11W-30Z2. J. Bracker, formerly E. A. Merritt. Drilled by R. H. Orr in 1916. 6-inch casing 0-87 ft, 5-inch perforated casing 80-125 ft. Altitude about 2,422 ft.

Soil -----	16	16	Sand -----	1	71
Clay -----	31	47	Clay -----	26	97
Sand -----	1	48	Sand -----	2	99
Clay -----	12	60	Clay -----	15	114
Sand -----	1	61	Sand -----	3	117
Clay -----	9	70	Clay -----	9	126

7N/11W-31A1. Palmcaster Co. Drilled by Evans Bros. Drilling Co. in 1952. 14-inch casing 0-599 ft, perforated 359-599 ft. Altitude about 2,450 ft.

Clay -----	40	40	Clay with streaks		
Gravel and clay -----	30	70	of gravel -----	61	423
Rock and gravel -----	30	100	Gravel and boulders -	25	448
Gravel, few boulders -	50	150	Sand, hard, and		
Sand, hard -----	64	214	boulders -----	12	460
Clay -----	16	230	Sand -----	80	540
Sand, hard, with			Sand with streaks		
streaks of clay ----	10	240	of clay -----	25	565
Clay and sand -----	20	260	Clay with streaks		
Sand -----	20	280	of sand -----	15	580
Sand and boulders ----	60	340	Sand -----	19	599
Clay and gravel -----	22	362			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-32A1. El Patio Ranch. Drilled by Evans Bros. Drilling Co. in 1946. 16-inch casing 0-550 ft, perforated 196-550 ft. Altitude about 2,456 ft.

Sand -----	40	40	Gravel -----	8	328
Clay -----	50	90	Clay and rock -----	22	350
Clay, sandy -----	38	128	Rock and boulders ---	8	358
Sand and gravel -----	7	135	Rock and clay -----	14	372
Clay -----	41	176	Clay -----	78	450
Sand and clay -----	34	210	Clay, yellow -----	10	460
Sand and gravel -----	5	215	Boulders and sand ---	13	473
Clay and sand -----	45	260	Clay -----	37	510
Gravel -----	10	270	Gravel -----	10	520
Clay and sand -----	50	320	Clay, sandy -----	30	550

7N/11W-32A2. El Patio Ranch. Drilled by Evans Bros. Drilling Co. in 1962. 14-inch casing 0-823 ft, perforated 360-823 ft. Altitude about 2,453 ft.

Sand -----	10	10	Clay with streaks		
Clay -----	13	23	of sand -----	70	450
Sand, coarse, and			Clay, brown, with		
gravel -----	22	45	streaks of coarse		
Sand with thin streaks			sand -----	63	513
of brown clay -----	35	80	Clay, brown, with		
Clay, brown, with			streaks of sand ---	41	554
streaks of coarse			Sand, coarse, with thin		
sand and small			streaks of brown		
gravel -----	141	221	clay -----	247	801
Sand, coarse, and			Sand with streaks of		
gravel, with streaks			light blue clay ---	22	823
of clay -----	159	380			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/11W-32H1. El Patio Ranch, formerly owned by Moseur. Drilled by R. H. Orr in 1926. 16-inch casing 0-141 ft, 10-inch perforated casing 131-420 ft. Altitude about 2,462 ft.

Soil -----	60	60	Clay -----	19	261
Sand -----	2	62	Sand -----	3	264
Clay -----	40	102	Clay and "cement" ---	19	283
Sand -----	3	105	Sand -----	3	286
Clay -----	15	120	"Cement" -----	24	310
Sand -----	2	122	Sand -----	2	312
Clay -----	28	150	Clay -----	13	325
Sand -----	3	153	Sand -----	1	326
Clay -----	17	170	"Cement" -----	19	345
Sand -----	2	172	Sand -----	3	348
Clay -----	19	191	Clay -----	22	370
Sand -----	3	194	Sand -----	6	376
Clay -----	18	212	"Cement" and clay ---	34	410
Sand -----	3	215	Sand -----	3	413
"Cement" and clay ----	25	240	"Cement" and rock ---	35	448
Sand -----	2	242	Clay -----	4	452

7N/11W-33J2. F. Seminario. Drilled by Evans Bros. Drilling Co. in 1963. 16-inch casing 0-770 ft, perforated 374-770 ft. Altitude about 2,471 ft.

Sand, gravel, and clay -----	35	35
Sand and gravel, with streaks of brown clay -----	69	104
Clay, brown, sandy, with streaks of sand and gravel -----	39	143
Sand, hard -----	2	145
Sand, cemented -----	14	159
Clay, brown, with streaks of sand -----	70	229
Sand, coarse, and brown clay -----	21	250
Sand, cemented -----	28	278
Sand, with thin streaks of brown clay -----	96	374
Gravel with streaks of cemented sand and brown clay -----	16	390
Sand, hard, and clay -----	10	400
Clay, brown, with streaks of sand -----	51	451
Sand, cemented -----	2	453
Clay, brown, with streaks of sand -----	31	484
Sand and brown clay -----	5	489
Sand with thin streaks of brown clay -----	86	575
Clay, brown, and sand -----	50	625

7N/11W-33J2.--Continued.

	Thickness (feet)	Depth (feet)
Sand, hard -----	2	627
Clay, brown, with streaks of sand -----	6	633
Cobblestones and brown clay -----	8	641
Clay with streaks of sand -----	39	680
Clay with streaks of hard sand -----	20	700
Clay, brown, and sand -----	60	760
Clay, brown, with thin streaks of sand -----	9	769
Clay, blue -----	1	770

7N/11W-33N2. Lancaster Milling Co. Drilled by Evans Bros. Drilling Co. in 1959. 16-inch casing 0-622 ft. Altitude about 2,470 ft.

Surface soil -----	5	5
Sand and gravel -----	45	50
Clay -----	15	65
Sand with streaks of clay -----	30	95
Clay with streaks of sand and gravel -----	105	200
Clay, sandy -----	10	210
Clay with streaks of sand -----	55	265
Clay with streaks of sand and gravel -----	32	297
Gravel, coarse -----	5	302
Clay -----	18	320
Clay with streaks of sand -----	150	470
Clay -----	30	500
Clay with streaks of sand and gravel -----	118	618
Clay -----	4	622

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	Thickness	Depth
	(feet)	(feet)

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7N/11W-33Q1. F. Seminario. Drilled by Evans Bros. Drilling Co.  
 16-inch casing 0-700 ft, perforated 318-700 ft. Altitude about 2,468 ft.

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Surface soil -----	7	7
Sand -----	9	16
Sand and gravel -----	18	34
Clay -----	6	40
Sand and gravel, with streaks of clay -----	42	82
Clay, sandy -----	18	100
Sand -----	6	106
Gravel, hard, with streaks of sand -----	14	120
Sand -----	18	138
Sand with streaks of clay -----	42	180
Gravel and sand, with streaks of clay -----	43	223
Sand and gravel -----	37	260
Sand, hard, and clay -----	8	268
Sand and clay -----	44	312
Sand with streaks of sandy clay -----	46	358
Sand, hard, and clay -----	7	365
Sand and clay -----	20	385
Sand with streaks of clay -----	20	405
Sand, hard, with streaks of clay -----	47	452
Clay, soft, and sand -----	38	490
Sand and clay -----	28	518
Sand, hard, and clay -----	17	535
Sand and clay -----	22	557
Sand, hard -----	18	575
Clay, brown, soft, with streaks of sand -----	27	602
Clay, hard -----	3	605
Clay and sand -----	5	610
Clay and large gravel -----	90	700

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	Thickness	Depth
	(feet)	(feet)

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7N/11W-34L1. Rose Leshin. Drilled by Evans Bros. Drilling Co. in 1951. 14-inch casing 0-723 ft. Altitude about 2,474 ft.

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Surface sand -----	50	50
Sand with streaks of clay -----	10	60
Gravel, fine -----	20	80
Gravel -----	17	97
Gravel with streaks of fine sand -----	11	108
Clay -----	7	115
Gravel and occasional boulders -----	13	128
Boulders and gravel -----	12	140
Gravel and coarse sand -----	25	165
Sand and gravel -----	20	185
Boulders and sand -----	45	230
Clay with streaks of sand -----	10	240
Gravel and boulders -----	42	282
Boulders with streaks of clay -----	28	310
Sand, gravel, and boulders -----	40	350
Clay and boulders -----	10	360
Clay with streaks of gravel -----	50	410
Gravel and boulders -----	25	435
Sand with streaks of clay -----	20	455
Sand and gravel, with streaks of clay -----	20	475
Boulders, large, and sand -----	10	485
Boulders, large, and clay -----	15	500
Sand, hard, and gravel -----	35	535
Sand, hard, with streaks of clay -----	10	545
Sand, hard, and gravel -----	30	575
Sand, hard, with streaks of clay -----	10	585
Sand, fine, with thin streaks of clay -----	15	600
Sand and gravel -----	15	615
Sand and gravel, with streaks of clay -----	20	635
Clay, brown -----	12	647
Clay -----	8	655
Clay, gray and blue -----	11	666
Sand and gravel, with streaks of clay -----	54	720
Clay, yellow -----	3	723

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Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-1A1. Drilled by F. Rottman in 1955. 8-inch casing 0-210 ft, perforated 100-160 ft and 195-210 ft. Altitude about 2,340 ft.

Surface soil -----	20	20	Sand and clay -----	20	140
Sand and clay -----	20	40	Sand, coarse, and		
Sand, fine -----	40	80	clay -----	20	160
Sand, coarse, and			Sand and blue clay --	20	180
clay -----	20	100	Sand, coarse -----	20	200
Sand, coarse -----	20	120	Clay -----	10	210

7N/12W-1R1. Lyle E. Fleming. Drilled by F. Rottman in 1955. 6-inch casing 0-200 ft, perforated 152-200 ft. Altitude about 2,360 ft.

Surface sand -----	20	20	Sand, hard, and		
Sand and clay -----	20	40	clay -----	20	140
Sand, hard -----	20	60	Sand, hard -----	40	180
Sand and gravel -----	20	80	Sand and rock -----	20	200
Sand and clay -----	40	120			

7N/12W-2E8. Drilled by Evans Bros. Drilling Co. in 1956. 8-inch casing 0-150 ft, perforated 90-150 ft. Altitude about 2,326 ft.

Clay, sandy, hard ----	5	5	Clay -----	8	118
Sand, coarse -----	3	8	Sand, coarse -----	14	132
Clay with streaks			Sand with thin		
of sand -----	12	20	streaks of blue		
Sand -----	25	45	clay -----	16	148
Sand with streaks			Clay, blue -----	2	150
of clay -----	65	110			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-8F1. Radio Station KBVM. Drilled by F. Rottman in 1956.  
8-inch casing 0-233 ft, perforated 131-233 ft. Altitude about 2,314 ft.

Topsoil -----	5	5	Sand, fine, with		
Clay -----	10	15	some clay -----	20	190
Clay, sandy -----	25	40	Sand, medium, with		
Clay with some coarse			some clay -----	35	225
sand -----	90	130	Clay -----	8	233
Clay and fine sand ---	40	170			

7N/12W-9E1. Los Angeles County Waterworks District No. 4. Drilled  
by Evans Bros. Drilling Co. in 1958. 14-inch casing 0-1,104 ft,  
perforated 180-390 ft, 430-510 ft, and 804-1,104 ft. Altitude about  
2,318 ft.

Clay with light streaks of sand -----	90	90
Sand with streaks of clay -----	50	140
Clay with streaks of sand -----	35	175
Sand with streaks of clay -----	85	260
Sand, coarse, with streaks of clay -----	35	295
Clay with small streaks of sand -----	48	343
Gravel, small, and clay -----	36	379
Clay -----	91	470
Clay with streaks of gravel -----	20	490
Clay, blue -----	30	520
Clay, blue, with streaks of fine sand -----	60	580
Clay, blue -----	110	690
Clay, blue, with light-brown streaks -----	95	785
Clay, brown, and sand -----	15	800
Gravel, hard -----	31	831
Rock and boulders -----	19	850
Gravel and rock -----	15	865
Gravel, hard, quartz -----	10	875
Clay, blue and brown streaks -----	103	972
Sand, sharp, with streaks of blue clay -----	48	1,020
Gravel, hard, with streaks of blue clay -----	22	1,042
Gravel, hard, sharp, with streaks of blue clay -----	82	1,124
Rock bottom -----	18	1,142

	Thickness (feet)	Depth (feet)
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7N/12W-9E2. Los Angeles County Waterworks District No. 4. Drilled by F. Rottman in 1959. 14-inch casing 0-503 ft, perforated 126-481 ft. Altitude about 2,318 ft.

Clay -----	40	40
Sand and clay -----	23	63
Sand, fine, and sandy clay -----	17	80
Sand, fine -----	25	105
Sand, coarse, and gravel -----	25	130
Clay, brown, sandy -----	10	140
Clay, brown, and sand -----	15	155
Clay, brown, sandy -----	35	190
Clay, sandy, and gravel -----	25	215
Sand, coarse -----	10	225
Clay, brown, sandy -----	70	295
Clay, brown, sandy, and a few boulders -----	20	315
Clay, sandy -----	20	335
Sand, very little clay -----	20	355
Sand, coarse, and gravel, with some clay -----	20	375
Clay and sand, with some gravel -----	60	435
Clay, sandy -----	20	455
Sand, coarse, and clay -----	20	475
Clay, sandy -----	20	495
Clay, sandy, with streaks of blue clay -----	20	515
Clay, sandy -----	11	526
Sand with streaks of blue clay -----	24	550

7N/12W-10N1. Los Angeles County Waterworks District No. 4. Drilled by Evans Bros. Drilling Co. in 1952. 14-inch casing 0-600 ft, perforated 384-600 ft. Altitude 2,337.9 ft.

Surface soil -----	18	18
Sand -----	12	30
Clay with streaks of sand -----	29	59
Sand -----	23	82
Boulders -----	8	90
Sand and gravel -----	32	122
Clay -----	4	126
Sand -----	14	140
Clay -----	276	416
Sand and gravel -----	177	593
Clay -----	7	600

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-10P1. Antelope Valley Laundry. Drilled by Harry Austin in 1941. 8-inch casing 0-250 ft, 6-inch casing 250-503 ft, perforated 253-503 ft. Altitude about 2,338 ft.

"Common earth" -----	15	15	Clay -----	4	238
"Surface water" -----	6	21	"Cement" -----	92	330
Clay, brown -----	24	45	Gravel, water-		
Gravel -----	40	85	bearing -----	10	340
Clay, brown -----	55	140	Clay -----	15	355
Gravel -----	7	147	Clay, hard -----	75	430
Clay -----	13	160	Clay -----	60	490
Gravel -----	8	168	Gravel, water-		
"Cement" -----	4	172	bearing -----	10	500
Gravel, water-bearing-	62	234	Clay -----	3	503

7N/12W-10P2. Los Angeles County Waterworks District No. 4. Drilled by Western Well Drilling Co. in 1957. 14-inch casing 0-1,220 ft, perforated 18-1,210 ft. Altitude about 2,334 ft.

Sand, light-colored --	7	7	Sandstone -----	6	253
Sand and boulders ----	27	34	Clay -----	9	262
Sand -----	4	38	Clay with streaks of		
Boulders and coarse			gravel -----	16	278
sand -----	9	47	Gravel and clay,		
Gravel with streaks			cemented -----	12	290
of clay -----	17	64	Rock, hard -----	7	297
Boulders with streaks			Gravel, cemented,		
of clay -----	24	88	with streaks of		
Gravel and boulders,			rock -----	50	347
cemented -----	26	114	Clay, sandy streaks		
Gravel, boulders, and			and boulders -----	22	369
clay, cemented -----	22	136	Clay, sandy -----	8	377
Gravel and clay,			Sand -----	10	387
cemented -----	13	149	Clay, sandy -----	12	399
Sand, coarse -----	10	159	Sand, coarse -----	5	404
Clay -----	10	169	Clay, sandy -----	25	429
Gravel and clay,			Clay, sandy, with		
cemented -----	25	194	hard streaks -----	23	452
Clay -----	8	202	Gravel and clay,		
Clay with streaks			cemented -----	15	467
of sandstone -----	33	235	Clay, sandy -----	15	482
Clay -----	12	247	Clay and cemented		
			gravel -----	16	498

## 7N/12W-10P2.--Continued.

Thickness		Depth	Thickness		Depth
(feet)		(feet)	(feet)		(feet)
Gravel and clay, cemented -----	31	529	Clay, sandy -----	8	962
Clay with streaks of sandstone -----	3	532	Clay and sand, cemented -----	13	975
Clay, sandy, hard ----	15	547	Clay and gravel, cemented, hard ----	3	978
Clay, gray, sandy ----	5	552	Sand, coarse -----	15	993
Clay, gray -----	21	573	Clay, sandy, with a few boulders -----	6	999
Clay, blue -----	7	580	Gravel, cemented ----	4	1,003
Clay, gray -----	10	590	Sand with boulders --	11	1,014
Clay, blue -----	5	595	Sand -----	37	1,051
Clay with streaks of sandstone -----	20	615	Clay -----	11	1,062
Sand and clay -----	7	622	Sand, hard -----	17	1,079
Clay, gray, sandy ----	30	652	Clay, sandy -----	24	1,103
Clay, blue, sandy ----	10	662	Sand with a little clay and boulders -	15	1,118
Sand, fine -----	35	697	Sand -----	5	1,123
Clay, blue -----	10	707	Sand, hard, with a few boulders -----	11	1,134
Clay, sandy -----	8	715	Clay, sandy -----	27	1,161
Clay, hard, dry -----	14	729	Sand, hard -----	9	1,170
Clay, sandy -----	9	738	Clay, sandy, with a few boulders -----	40	1,210
Clay, sandy, hard ----	38	776	Clay, sandy -----	10	1,220
Clay, blue, sandy ----	22	798	Clay, sandy, and boulders -----	25	1,245
Clay, blue -----	44	842	Clay, sandy, hard ---	6	1,251
Clay, blue, sandy ----	13	855	Clay, sandy -----	2	1,253
Sand -----	10	865	Clay, sandy, hard ---	8	1,261
Clay and streaks of sandstone -----	22	887	Clay, sandy, and boulders -----	5	1,266
Clay, sandy -----	23	910			
Clay, sandy, hard, with a few boulders-	24	934			
Clay, sandy, with a few boulders -----	20	954			

7N/12W-11B1. Drilled by Evans Bros. Drilling Co. in 1961. 6-inch casing 0-200 ft, perforated 113-200 ft. Altitude about 2,345 ft.

Sand -----	7	7	Clay, blue, with streaks of sand ---	25	155
Clay, brown -----	8	15	Sand with streaks of blue clay -----	45	200
Sand -----	15	30			
Sand with streaks of blue clay -----	100	130			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-11K1. Los Angeles County Waterworks District No. 4.  
 Drilled by Evans Bros. Drilling Co. in 1958. 14-inch casing 0-1,206 ft,  
 perforated 307-1,206 ft. Altitude about 2,350 ft.

Sand with streaks of clay -----	130	130	Clay -----	42	690
Clay, blue -----	18	148	Clay with streaks of sand -----	50	740
Sand -----	12	160	Clay with streaks of coarse sand ----	20	760
Sand with thin streaks of blue clay -----	40	200	Clay -----	90	850
Sand and clay -----	50	250	Clay with streaks of gravel -----	42	892
Sand -----	50	300	Boulders -----	5	897
Sand with streaks of clay -----	50	350	Sand and small boulders -----	124	1,021
Boulders -----	5	355	Sand, coarse -----	49	1,070
Sand with thin streaks of clay -----	68	423	Sand and small boulders, with streaks of clay ---	73	1,143
Sand with streaks of clay -----	37	460	Boulders -----	12	1,155
Clay with streaks of gravel -----	20	480	Boulders, small, with streaks of sand ---	10	1,165
Clay and gravel -----	100	580	Gravel and clay streaks, with occa- sional boulders ---	20	1,185
Gravel with streaks of clay -----	40	620	Boulders, hard -----	21	1,206
Clay with some streaks of gravel -----	28	648			

7N/12W-11M1. Los Angeles County Waterworks District No. 4.  
 Drilled by F. Rottman in 1958. 14-inch casing 0-701 ft, 8-inch casing  
 546-1,346 ft, perforated 240-500 ft, 555-685 ft, and 843-1,346 ft.  
 Altitude about 2,338 ft.

Surface soil -----	20	20	Gravel, coarse, and clay -----	20	340
Sand, fine -----	40	60	Clay, hard, and coarse gravel -----	100	440
Sand and clay -----	20	80	Clay and sand -----	20	460
Sand, coarse, and clay -----	40	120	Sand and clay -----	40	500
Sand, fine, and clay -	40	160	Sand, hard -----	20	520
Sand, coarse, and clay -----	40	200	Clay -----	20	540
Sand, fine, and clay -	60	260	Gravel, coarse, and clay -----	80	620
Sand, coarse, and clay -----	60	320	Gravel, clay and sand -----	40	660



## 7N/12W-11M1.--Continued.

Thickness Depth		Thickness Depth	
(feet) (feet)		(feet) (feet)	
Clay and coarse gravel -----	20 680	Sand and brown clay, hard -----	58 1,268
Clay, blue -----	115 795	Sand and brown clay -	58 1,326
Clay, blue, and sand -	30 825	Sand, coarse; brown clay and some boulders -----	30 1,356
Clay, blue, and fine sand -----	59 884	Sand, coarse, hard, and some boulders -	29 1,385
Clay, blue; fine sand and rock -----	30 914	Sand, hard, and brown clay -----	59 1,444
Clay, blue, and sand -	30 944	Sand, hard, packed, and brown clay ----	29 1,473
Gravel, coarse, and blue clay -----	30 974	Sand, coarse; brown clay, and some boulders -----	73 1,546
Sand and blue clay ---	30 1,004		
Sand and a small amount of blue clay-	30 1,034		
Sand and brown clay --	176 1,210		

7N/12W-11M2. Los Angeles County Waterworks District No. 4.  
 Drilled by F. Rottman in 1959. 14-inch casing 0-600 ft, perforated  
 180-215 ft, 225-237 ft, 260-365 ft, and 385-525 ft. Altitude about  
 2,338 ft.

Surface sand -----	20 20	Clay, brown; coarse sand and gravel ---	20 320
Sand, coarse -----	20 40	Clay, brown, and gravel -----	80 400
Clay, sandy -----	20 60	Clay, brown; coarse sand, and gravel --	20 420
Clay and sand -----	20 80	Clay, gray, sandy, and gravel -----	20 440
Sand, fine, and a little clay -----	10 90	Sand, fine, with streaks of blue clay -----	40 480
Sand, fine, and clay -	10 100	Sand, coarse, and gravel with streaks of blue clay -----	40 520
Sand, fine, and blue clay -----	40 140	Clay, blue, sandy ---	15 535
Clay, blue, and sand -	40 180	Clay, blue -----	170 705
Sand and gray clay ---	20 200		
Clay, gray, and sand -	20 220		
Clay, gray, and coarse sand -----	60 280		
Clay, brown, and sand-	20 300		

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-11Z5. Former owner, Antelope Valley Oil & Gas Co. Drilled in 1923. 8 $\frac{1}{4}$ -inch casing 0-1,250 ft, 6 $\frac{1}{4}$ -inch casing 1,250-1,342 ft, and 4-3/4-inch casing 1,342-1,640 ft. Altitude about 2,353 ft.

Clay, sandy -----	40	40	Shale, brittle -----	75	1,025
"Shell" -----	10	50	Shale, brown -----	32	1,057
Sand, water-bearing --	6	56	Sandstone -----	43	1,100
"Hard shell" -----	24	80	Shale, gray, brittle-	75	1,175
Sand, water-bearing --	10	90	Shale and sandstone -	65	1,240
Clay, blue -----	77	167	"Live-water sand" ---	8	1,248
"Shell" -----	10	177	Shale, brown -----	25	1,273
Clay, blue -----	53	230	Sand, brown, and		
"Shell" -----	10	240	rock -----	17	1,290
Shale, blue -----	15	255	Clay, brown, tough --	91	1,381
Sand, water-bearing --	3	258	Clay and sandstone --	9	1,390
"Shell" -----	42	300	Shale, sandy -----	42	1,432
Clay, brown -----	40	340	Sand, oil -----	3	1,435
"Shell" -----	20	360	Shale, hard -----	2	1,437
Sand, water-bearing --	27	387	Sand, water-bearing -	9	1,446
Sand, gray, firm ----	7	394	Clay, brown, heavy --	30	1,476
Clay, sandy -----	56	450	Rock and shale -----	13	1,489
Clay, white -----	14	464	Shale, sandy -----	14	1,503
Gumbo, red and blue --	56	520	Clay, dark -----	10	1,513
Sand, water-bearing --	110	630	Clay, dark, greasy --	15	1,528
Shale, blue and white-	39	669	Sand, oil -----	8	1,536
Sand -----	17	686	Gravel, very hard ---	8	1,544
Shale, blue -----	6	692	Shale, pink -----	46	1,590
Shale, brown -----	18	710	"Vegetable sand, showed		
Lime rock -----	66	776	oil but would not		
Shale, brown -----	14	790	produce oil" -----	16	1,606
Sand and rock -----	70	860	Shale, pink -----	34	1,640
Shale, brown -----	40	900	Limestone, hard on		
Lime rock -----	50	950	bottom -----		1,640+

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-11Z6. Drilled by R. H. Orr in 1917. 12-inch casing 0-80 ft, 10-inch perforated casing 70-350 ft. Altitude about 2,340 ft.

Soil -----	16	16	Sand -----	1	166
Sand -----	1	17	Clay -----	59	225
Clay -----	13	30	Sand -----	4	229
Sand -----	2	32	Clay and "cement" ---	65	294
Clay -----	28	60	Sand -----	2	296
Sand -----	2	62	Clay and "cement" ---	24	320
Clay -----	27	89	Sand -----	2	322
Sand -----	3	92	"Cement" and clay ---	17	339
Clay -----	23	115	Sand -----	3	342
Sand -----	3	118	"Cement" -----	3	345
Clay -----	29	147	Sand -----	1	346
Sand -----	3	150	"Cement" -----	5	351
Clay -----	15	165			

7N/12W-12N1. Drilled by Evans Bros. Drilling Co. in 1951. Cased 0-312 ft, perforated 242-292 ft. Altitude about 2,362 ft.

Surface sand and clay -----	50	50	Clay -----	10	195
Clay -----	20	70	Sand, fine, with streaks of clay ---	12	207
Sand and clay -----	20	90	Clay with streaks of fine sand -----	13	220
Clay -----	30	120	Clay and sand -----	10	230
Clay with streaks of fine sand -----	20	140	Sand, fine -----	15	245
Clay -----	10	150	Clay -----	7	252
Sand with streaks of clay -----	15	165	Clay and fine sand --	23	275
Sand, fine -----	20	185	Clay and thin streaks of fine sand -----	75	350

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-12Z4. Drilled by R. H. Orr in 1918. 8-inch casing, perforated 69-300 ft. Altitude about 2,373 ft.

Soil -----	13	13	Sand -----	3	167
Sand -----	1	14	Clay -----	40	207
Soil -----	7	21	Sand -----	3	210
Sand -----	1	22	Clay -----	15	225
Clay -----	18	40	Sand -----	2	227
Sand -----	1	41	Clay -----	23	250
Clay -----	31	72	Sand -----	2	252
Sand -----	2	74	Clay -----	20	272
Clay -----	13	87	Sand -----	2	274
Sand -----	2	89	Clay -----	11	285
Clay -----	25	114	Sand -----	1	286
Sand -----	2	116	Clay -----	14	300
Clay -----	48	164			

7N/12W-13F1. Drilled by F. Rottman in 1948. 12-inch casing 0-552 ft, perforated 175-552 ft. Altitude about 2,382 ft.

Surface sand -----	80	80	Boulders -----	22	384
Clay -----	40	120	Clay and gravel -----	22	406
Clay, sandy -----	65	185	Gravel -----	12	418
Clay -----	17	202	Clay -----	42	460
Sand and clay -----	23	225	Clay, sandy -----	30	490
Sand and gravel -----	21	246	Sand -----	20	510
Clay and gravel -----	34	280	Clay -----	18	528
Clay and boulders ----	20	300	Sand -----	10	538
Gravel -----	22	322	Clay -----	14	552
Clay and boulders ----	40	362			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-13K1. John Rough, formerly J. Meader. Drilled by R. H. Orr in 1920. 12-inch casing 0-101 ft, 10-inch casing 93-352 ft, perforated 192-352 ft. Altitude about 2,393 ft.

Soil -----	32	32	Sand -----	4	210
Sand -----	2	34	Clay -----	13	223
Clay -----	6	40	Sand -----	5	228
Sand -----	1	41	Clay -----	12	240
Clay -----	39	80	Sand -----	2	242
Sand -----	2	82	Clay -----	23	265
Clay -----	43	125	Sand -----	10	275
Sand -----	3	128	"Cement" and clay ---	29	304
Clay -----	12	140	Sand -----	2	306
Sand -----	3	143	"Cement" and clay ---	24	330
Clay -----	12	155	Sand -----	3	333
Sand -----	2	157	"Cement" and clay ---	12	345
Clay -----	27	184	Sand -----	3	348
Sand -----	3	187	Clay -----	4	352
Clay -----	19	206			

7N/12W-13M2. Los Angeles County Waterworks District No. 4. Drilled by Evans Bros. Drilling Co. in 1951. 10-inch casing 0-426 ft, perforated 192-426 ft. Altitude about 2,395 ft.

Sand and clay -----	45	45	Clay, hard -----	6	198
Clay -----	20	65	Limestone and hard		
Sand and clay -----	10	75	clay -----	14	212
Clay -----	10	85	Boulders; gravel;		
Sand and gravel -----	5	90	hard clay and clay-	15	227
Clay -----	18	108	Limestone -----	13	240
Sand, hard -----	10	118	Limestone and hard		
Clay -----	4	122	clay -----	15	255
Sand and boulders ----	4	126	Clay and boulders ---	6	261
Clay -----	2	128	Sand, gravel, and		
Sand and boulders ----	4	132	soft clay -----	13	274
Clay -----	7	139	Clay and boulders ---	24	298
Sand and gravel -----	4	143	Sand and boulders,		
Clay -----	3	146	"stripped" with		
Limestone -----	10	156	clay -----	16	314
Sand and gravel -----	3	159	Rock and clay -----	16	330
Clay, hard -----	2	161	Clay, boulders, and		
Sand and gravel -----	3	164	limestone -----	20	350
Clay, hard -----	3	167	Boulders and hard		
Sand and gravel -----	5	172	clay -----	30	380
Clay, hard -----	18	190	Boulders -----	46	426
Limestone -----	2	192			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-14E1. Antelope Valley High School. Drilled by F. Rottman in 1953. 14-inch casing 0-600 ft, perforated 269-600 ft. Altitude about 2,361 ft.

Surface soil -----	25	25	Clay and gravel -----	23	360
Sand, fine -----	15	40	Gravel and soft clay-	23	383
Gravel, fine, and			Clay and fine gravel-	22	405
sand -----	27	67	Clay and boulders ---	20	425
Sand, fine -----	23	90	Clay, boulders, and		
Gravel and sand with			sand -----	24	449
streaks of clay ----	22	112	Clay, shale, and		
Clay, blue, and sand -	22	134	sand -----	23	472
Clay -----	21	155	Clay and shale -----	23	495
Clay and sand streaks-	25	180	Clay and gravel -----	12	507
Clay and fine sand ---	22	202	Clay, soft, and		
Clay and sand -----	18	220	gravel -----	13	520
Clay and fine gravel -	20	240	Gravel, sand, and		
Shale and fine gravel-	30	270	some clay -----	16	536
Clay and fine gravel -	22	292	Gravel -----	29	565
Clay, red, and fine			Gravel and sand -----	10	575
sand -----	23	315	Sand and clay -----	15	590
Shale, clay, and			Clay -----	10	600
gravel -----	22	337			

7N/12W-14E2. Antelope Valley High School. 10-inch casing 0-300 ft, perforated 96-300 ft. Altitude about 2,363 ft.

Sand -----	50	50	Boulders and coarse		
Sand, coarse -----	30	80	sand -----	20	200
Sand and boulders ----	20	100	Sand and a little		
Boulders and sand ---	30	130	clay -----	30	230
Sand, coarse -----	20	150	Clay and boulders ---	20	250
Sand and boulders ----	30	180	Sand and clay -----	30	280
			Clay and boulders ---	20	300

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-15F2. Los Angeles County Waterworks District No. 4.  
 Drilled by Harry Austin in 1943. 16-inch casing 0-244 ft, 12-inch  
 casing 244-600 ft, perforated 190-524 ft. Altitude about 2,355 ft.

"Earth" -----	18	18	Sand, fine -----	6	342
Gravel -----	3	21	Clay, hard -----	13	355
Clay -----	34	55	Sand -----	5	360
Gravel -----	5	60	Clay -----	35	395
Clay -----	20	80	Sand -----	5	400
Gravel -----	10	90	Clay -----	30	430
Clay and "cement" ----	70	160	Clay and "cement" ---	55	485
Sand -----	4	164	Gravel -----	14	499
Clay, sandy -----	16	180	Clay -----	16	515
Sand -----	10	190	Sand -----	8	523
Clay, hard streaks ---	64	254	Clay -----	17	540
Sand -----	3	257	Gravel, pea -----	9	549
Clay -----	33	290	Clay -----	11	560
Sand, fine -----	11	301	Clay and gravel -----	10	570
Clay and "cement" ----	35	336	Clay, hard -----	30	600

7N/12W-15F3. Los Angeles County Waterworks District No. 4.  
 Drilled by R. H. Orr in 1921. 14-inch casing 0-151 ft, 10-inch casing  
 151-502 ft, perforated 141-500 ft. Altitude about 2,355 ft.

Soil -----	14	14	Clay -----	13	275
Sand -----	1	15	Sand -----	1	276
Clay -----	15	30	Clay -----	44	320
Sand -----	3	33	Sand -----	2	322
Clay -----	127	160	Clay -----	48	370
Sand -----	4	164	Sand -----	2	372
Clay -----	28	192	Clay -----	12	384
Sand -----	3	195	Sand -----	3	387
Clay -----	23	218	Clay -----	48	435
Sand -----	3	221	Sand -----	3	438
Clay -----	37	258	"Cement" and a		
Sand -----	4	262	little clay -----	64	502



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-15R1. Los Angeles County Waterworks District No. 4.  
 Drilled by John R. Beylik in 1950. 14-inch casing 0-700 ft, perforated  
 354-676 ft. Altitude about 2,381 ft.

Sand, brown, and clay -----	50	50	Sand, water-bearing -	66	418
Sand, fine, water- bearing -----	2	52	Sand, coarse, and gravel -----	66	484
Sand, blue, and hard clay -----	108	160	Clay, brown, soft, and sand -----	21	505
Sand, soft, and clay -	40	200	Clay, brown, soft ---	51	556
Sand, hard, and clay -	28	228	Sand, water-bearing -	11	567
Sand, fine, and clay layers -----	124	352	Sand, soft, and clay layers -----	108	675
			Clay, blue, hard ----	26	701

7N/12W-15R2. Los Angeles County Waterworks District No. 4.  
 Drilled by Evans Bros. Drilling Co. in 1953. 14-inch casing 0-293 ft,  
 14- to 10-inch transition joint 293-299 ft, 10-inch casing 299-670 ft,  
 perforated 466-670 ft. Altitude 2,385.6 ft.

Sand -----	7	7	Sand, coarse -----	15	225
Clay and gravel -----	13	20	Sand with streaks of clay -----	15	240
Gravel -----	26	46	Clay with streaks of sand -----	156	396
Clay, sand, and gravel -----	13	59	Boulders -----	4	400
Clay and gravel -----	45	104	Clay, sandy, with streaks of gravel -	90	490
Clay -----	3	107	Sand -----	178	668
Gravel with streaks of clay and sand -----	19	126	Clay -----	2	670
Gravel and sand -----	54	180			
Clay -----	30	210			

	Thickness (feet)	Depth (feet)
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7N/12W-15R3. Los Angeles County Waterworks District No. 4.  
 Drilled by F. Rottman in 1958. 14-inch casing 0-1,227 ft, perforated  
 480-660 ft, and 890-1,227 ft. Altitude about 2,375 ft.

Clay and sand -----	7	7
Sand with streaks of clay -----	25	32
Rocks and sandy clay -----	5	37
Clay, blue-brown, and sand -----	13	50
Sand and gravel, with streaks of clay -----	23	73
Sand, coarse, and gravel -----	37	110
Clay and some sand -----	20	130
Sand, gravel, and rocks -----	13	143
Sand and gravel, with streaks of clay -----	57	200
Sand, coarse, with streaks of clay -----	37	237
Clay, brown, and coarse gravel -----	22	259
Sand, clay, and rocks -----	11	270
Clay and coarse sand -----	20	290
Sand and gravel -----	45	335
Clay, sandy, and gravel -----	12	347
Sand with streaks of clay -----	13	360
Sand, coarse, with streaks of clay -----	57	417
Sand and gravel, with streaks of clay -----	48	465
Sand -----	18	483
Sand, coarse, with streaks of clay -----	33	516
Sand, gravel, and rocks -----	60	576
Clay and gravel -----	42	618
Clay with streaks of sand -----	32	650
Sand, coarse, gravel, and rocks -----	53	703
Clay, blue, with streaks of sand -----	234	937
Clay, blue and brown -----	8	945
Sand and gravel, with streaks of clay -----	15	960
Sand, coarse, and gravel -----	35	995
Sand, firm, and rocks -----	9	1,004
Sand and gravel, with streaks of clay -----	16	1,020
Sand and gravel -----	47	1,067
Sand with streaks of clay -----	38	1,105
Sand and rocks -----	25	1,130
Sand -----	40	1,170
Sand and gravel, with streaks of clay -----	57	1,227

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-15Z51. Southern Pacific Co. Drilled by Harry Austin in 1924. 14-inch casing 0-150 ft, 10-inch perforated casing 150-503 ft. Altitude about 2,360 ft.

Topsoil -----	14	14	Gravel, water-		
Sand and yellow clay -	2	16	bearing -----	5	355
No entry -----	44	60	Clay, yellow -----	35	390
Sand, water-bearing --	3	63	Sandstone, white ----	20	410
Clay, yellow, blue,			Clay, red and blue --	34	444
and white -----	192	255	Sandstone, white ----	34	478
Gravel, water-bearing-	5	260	Gravel, water-		
Clay, "cement" -----	90	350	bearing -----	5	483
			Clay, "cement" -----	20	503

7N/12W-15Z52. Southern California Edison Co. Drilled by R. H. Orr in 1916. 6-inch casing 0-100 ft, 4½-inch perforated casing 90-253 ft. Altitude about 2,343 ft.

Soil -----	6	6	Sand -----	2	202
Sand -----	1	7	Clay -----	23	225
Clay -----	13	20	Sand -----	1	226
Sand -----	1	21	"Cement" -----	4	230
Clay -----	34	55	Sand -----	1	231
Sand -----	1	56	"Cement" -----	4	235
Clay -----	81	137	Sand -----	1	236
Sand -----	2	139	"Cement" -----	4	240
Clay -----	11	150	Sand -----	1	241
Sand -----	2	152	Clay -----	12	253
Clay -----	48	200			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-15Z54. Drilled by R. H. Orr in 1920. 6-inch casing 0-100 ft, 4-3/4-inch perforated casing 90-352 ft. Altitude about 2,357 ft.

Soil -----	16	16	Clay -----	38	200
Sand -----	2	18	Sand -----	3	203
Clay -----	22	40	Clay -----	27	230
Sand -----	2	42	Sand -----	3	233
Clay -----	28	70	Clay -----	14	247
Sand -----	3	73	Sand -----	3	250
Clay -----	37	110	Clay -----	35	285
Sand -----	4	114	Sand -----	2	287
Clay -----	6	120	Clay -----	33	320
Sand -----	3	123	Sand -----	3	323
Clay -----	17	140	Clay -----	17	340
Sand -----	2	142	Sand -----	2	342
Clay -----	18	160	Clay -----	10	352
Sand -----	2	162			

7N/12W-18R2. Breedlove. Drilled by Evans Bros. Drilling Co. in 1951. 8-inch casing 0-149 ft, perforated 69-149 ft. Altitude about 2,337 ft.

Sand -----	1	1	Clay -----	10	76
Clay, hard -----	11	12	"Lime rock" and gravel -----	7	83
"Lime rock" -----	5	17	Clay -----	5	88
Clay -----	7	24	"Lime rock" -----	4	92
"Lime rock" -----	2	26	Clay -----	16	108
Clay -----	6	32	"Lime rock" -----	12	120
"Lime rock" and gravel -----	4	36	Clay -----	10	130
Clay -----	10	46	"Lime rock" -----	5	135
"Lime rock" and gravel -----	6	52	Clay -----	5	140
Clay, hard -----	8	60	"Lime rock" -----	6	146
"Lime rock" and gravel -----	6	66	"Rock ledge" -----	3	149

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-21A1. Los Angeles County Waterworks District No. 4,  
formerly C. E. Marble. Drilled by R. H. Orr in 1915. 10-inch casing  
0-63 ft, 8 $\frac{1}{4}$ -inch perforated casing 51-301 ft. Altitude about 2,364 ft.

Soil -----	10	10	"Water" -----	2	138
"Water" -----	1	11	Clay -----	44	182
Clay -----	19	30	"Water" -----	3	185
"Water" -----	1	31	Clay -----	35	220
Clay -----	28	59	"Water" -----	2	222
"Water" -----	2	61	Clay -----	18	240
Clay -----	9	70	"Water" -----	5	245
"Water" -----	1	71	Clay -----	25	270
Clay -----	19	90	"Water" -----	5	275
"Water" -----	2	92	Clay -----	10	285
Clay -----	27	119	"Water" -----	5	290
"Water" -----	3	122	Clay -----	11	301
Clay -----	14	136			

NOTE: The entry "water" is presumed to apply to water-bearing material.

7N/12W-21C1. Los Angeles County Waterworks District No. 4.  
Drilled by F. Rottman in 1955. 14-inch casing 0-670 ft, no casing  
670-803 ft, perforated 366-426 ft, 446-536 ft, and 556-636 ft. Altitude  
about 2,358 ft.

Topsoil and clay -----	30	30	Sand, coarse -----	18	253
Clay and shale -----	6	36	Sand -----	14	267
Clay and gravel -----	39	75	Clay and sand -----	23	290
Clay -----	15	90	Sand and rock, with streaks of clay ---	31	321
Sand, sharp, and gravel -----	30	120	Sand, clay, and boulders -----	18	339
Gravel, fine -----	10	130	Sand, firm -----	2	341
Sand, fine, and gravel -----	10	140	Sand and boulders, with streaks of clay -----	19	360
Clay, hard -----	10	150	Boulders and sand ---	11	371
Sand, fine, and some clay -----	20	170	Clay, hard -----	4	375
Clay and sand -----	25	195	Clay, sandy, hard ---	24	399
Clay, hard, and sand -	25	220	Clay -----	11	410
Sand with streaks of clay -----	15	235	Sand and clay -----	20	430

## 7N/12W-21C1.--Continued.

Thickness Depth			Thickness Depth		
	(feet)	(feet)		(feet)	(feet)
Sand, hard -----	66	496	Sand, blue and brown,		
Sand and gravel -----	60	556	and clay -----	12	700
Sand with streaks of			Clay, blue, and some		
clay -----	35	591	gravel -----	12	712
Sand and gravel, with			Gravel and clay		
streaks of clay ----	57	648	mixture -----	11	723
Sand, firm -----	17	665	Sand and gravel -----	7	730
Sand with streaks of			Clay, blue, and sand-	10	740
clay -----	23	688	Clay, blue, soft ----	63	803

7N/12W-21C2. Los Angeles County Waterworks District No. 4.  
Drilled by F. Rottman in 1955. 14-inch casing 0-637 ft, perforated  
300-637 ft. Altitude about 2,357 ft.

Sand and surface soil -----	28	28	Clay, red, with streaks of sand ---	23	190
Boulders, sand, and gravel -----	9	37	Sand and clay -----	30	220
Sand, with streaks of clay -----	2	39	Sand and gravel -----	30	250
Clay -----	2	41	Sand, coarse, and clay -----	62	312
Sand and clay -----	9	50	Clay, sandy, soft ---	8	320
Clay, sandy -----	40	90	Gravel with streaks of clay -----	119	439
Clay, shale, and gravel -----	19	109	Gravel, fine -----	11	450
Sand, gravel, and rocks -----	21	130	Clay and sand -----	51	501
Sand, gravel, and clay -----	10	140	Rocks and sand -----	10	511
Sand and gravel -----	10	150	Sand, coarse -----	28	539
Sand and soft clay ---	17	167	Sand, gravel, and some clay -----	66	605
			Clay, soft, and sand-	20	625
			Shale, hard -----	12	637

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-22B1. Los Angeles County Waterworks District No. 4.  
 Drilled by Harry Austin in 1941. 16-inch casing 0-224 ft, 12-inch  
 perforated casing 214-602 ft. Altitude 2,377.0 ft.

Top soil -----	6	6	Clay -----	17	265
Gravel -----	24	30	"Hard cement" -----	3	268
"S.W." -----	3	33	Clay, soft -----	89	357
Clay -----	14	47	Clay, hard, and small		
Gravel -----	7	54	rocks -----	13	370
Clay, brown -----	13	67	"Hard cement" -----	2	372
Sand -----	3	70	Gravel -----	15	387
Clay, brown -----	65	135	Clay -----	43	430
Sand -----	4	139	Clay, hard -----	9	439
Clay -----	21	160	Gravel -----	3	442
Sand -----	5	165	Clay, hard -----	48	490
Clay -----	3	168	Sand -----	2	492
Gravel -----	2	170	Clay -----	32	524
"Hard cement" -----	5	175	Sand -----	10	534
Clay -----	60	235	Clay -----	26	560
Sand -----	4	239	Sand -----	11	571
Clay -----	6	245	Clay, soft -----	29	600
Gravel -----	3	248	Clay, hard -----	2	602

7N/12W-22B2. Los Angeles County Waterworks District No. 4.  
 Drilled by Roscoe Moss Drilling Co. in 1947. 14-inch casing 0-552 ft,  
 perforated 192-552 ft. Altitude about 2,375 ft.

Clay, brown, sandy ---	206	206	Clay, brown, with		
Sand -----	54	260	streaks of sand ---	114	525
Clay, brown, sandy ---	40	300	Sand -----	25	550
Sand -----	111	411	Clay, brown, sandy --	28	578

7N/12W-22P1. Walker, formerly A. H. Lange. Drilled by R. H. Orr  
 in 1922. 10-inch casing 0-100 ft, 8 $\frac{1}{4}$ -inch perforated casing 90-300 ft.  
 Altitude about 2,414 ft.

Soil -----	34	34	Clay -----	41	125
Sand -----	2	36	Sand -----	4	129
Clay -----	26	62	Clay and "cement" ---	21	150
Sand -----	2	64	Sand -----	3	153
Clay -----	16	80	Clay and "cement" ---	17	170
Sand -----	4	84	Sand and "cement" ---	4	174



7N/12W-22P1.--Continued.

Thickness Depth (feet) (feet)			Thickness Depth (feet) (feet)		
Clay -----	29	203	Sand -----	2	267
Sand -----	2	205	"Cement" -----	13	280
Clay and "cement" -----	45	250	Sand -----	3	283
Sand -----	3	253	Clay -----	18	301
"Cement" -----	12	265			

7N/12W-22R1. Former owner F. La Horgue. Drilled by F. Rottman in 1941. 8-inch casing 0-250 ft. Altitude about 2,412 ft.

Sand -----	28	28	Sand, hard -----	4	154
Clay -----	20	48	Clay -----	2	156
Gravel -----	2	50	Sand, hard -----	20	176
Clay -----	22	72	Clay -----	11	187
Clay and rock -----	18	90	Sand, hard -----	23	210
Gravel -----	4	94	Clay -----	30	240
Clay, soft -----	24	118	Sand -----	3	243
Sand -----	5	123	Clay -----	7	250
Clay -----	27	150			

7N/12W-22R3. Formerly J. G. Donovan. Drilled by R. H. Orr in 1916. 8-inch casing 0-151 ft, perforated 52-151 ft. Altitude about 2,423 ft.

Soil -----	16	16	Sand -----	2	72
Sand -----	2	18	Clay -----	48	120
Clay -----	12	30	Sand -----	1	121
Sand -----	2	32	Adobie -----	14	135
Clay -----	28	60	Sand -----	1	136
Sand -----	2	62	Adobie -----	17	153
Clay -----	8	70			

Thickness Depth		Thickness Depth	
(feet)	(feet)	(feet)	(feet)

7N/12W-24A1. First Christian Church of Antelope Valley. Drilled by Evans Bros. Drilling Co. in 1960. 8-inch casing 0-400 ft, perforated 180-400 ft. Altitude about 2,401 ft.

Hardpan -----	3	3	Clay -----	8	218
Sand -----	22	25	Clay and sand -----	12	230
Silt -----	4	29	Gravel -----	10	240
Sand -----	66	95	Clay with streaks of		
Sand with streaks of			sand -----	70	310
clay -----	30	125	Sand -----	30	340
Gravel and sand -----	16	141	Sand and clay -----	20	360
Clay, sandy, and			Clay with thin streaks		
sand -----	57	198	of sand -----	20	380
Sand and gravel -----	12	210	Sand -----	20	400

7N/12W-24Q1. J. Sloan. Drilled by Fred Miller in 1955. 14-inch casing 0-622 ft, perforated 248-622 ft. Altitude about 2,430 ft.

Surface sandy loam ---	10	10	Sand -----	20	360
Gravel -----	10	20	Gravel -----	10	370
Sand -----	10	30	Clay, brown -----	10	380
Clay, brown -----	10	40	Gravel -----	10	390
Sand -----	10	50	Sand, hard -----	20	410
Clay -----	20	70	Clay, brown -----	10	420
Sand, coarse -----	10	80	Sand -----	10	430
Gravel -----	10	90	Clay -----	20	450
Clay, red -----	30	120	Sand -----	20	470
Sand -----	20	140	Clay -----	10	480
Clay, red -----	20	160	Gravel -----	10	490
Gravel -----	20	180	Clay -----	10	500
Clay, brown -----	10	190	Gravel -----	5	505
Sand, hard -----	10	200	Clay -----	25	530
Clay, brown -----	10	210	Gravel -----	10	540
Sand and gravel -----	30	240	Clay -----	15	555
Gravel -----	10	250	Sand -----	5	560
Clay, brown -----	10	260	Clay -----	10	570
Gravel -----	10	270	Gravel -----	10	580
Clay, brown -----	20	290	Clay -----	10	590
Gravel -----	10	300	Gravel -----	10	600
Clay, brown -----	10	310	Clay -----	10	610
Gravel -----	30	340	Sand, hard -----	12	622

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-26K1. Los Angeles County Waterworks District No. 4.  
Drilled by R. & C. Drilling Co. in 1947. 12-inch casing 0-600 ft,  
perforated 180-600 ft. Altitude 2,457.8 ft.

Surface sand -----	56	56	Clay, hard, sandy ---	9	429
Gravel, coarse -----	28	84	Gravel, hard -----	8	437
Sand, fine -----	24	108	Clay -----	9	446
Gravel -----	36	144	Gravel and clay -----	73	519
Clay, sandy -----	5	149	Sand -----	11	530
Sand, coarse -----	16	165	Clay, sandy -----	26	556
Sand -----	55	220	Sand -----	15	571
Sand, coarse -----	14	234	Clay -----	9	580
Sand and gravel -----	80	314	Sand -----	16	596
Clay -----	8	322	Clay -----	8	604
Sand -----	98	420			

7N/12W-27A2. Poultrymen's Cooperative Association. Drilled by  
F. Rottman in 1949. 8-inch casing 0-400 ft, perforated 200-400 ft.  
Altitude about 2,428 ft.

Sand -----	50	50	Clay and boulders ---	20	270
Clay and gravel -----	20	70	Boulders -----	20	290
Gravel, "heavy" -----	20	90	Sand -----	30	320
Clay -----	40	130	Gravel, "heavy" -----	30	350
Clay and gravel -----	70	200	Sand and gravel -----	20	370
Gravel, "heavy" -----	30	230	Sand and clay -----	20	390
Sand -----	20	250	Clay -----	10	400

7N/12W-27H2. Los Angeles County Waterworks District No. 4.  
Drilled by F. Rottman in 1959. 14-inch casing 0-700 ft, test hole no  
casing 700-759 ft, perforated 250-690 ft. Altitude about 2,441 ft.

Sand, gravel, and rocks -----	53	53	Sand, fine -----	45	250
Sand, coarse, and boulders -----	44	97	Sand -----	23	273
Sand -----	6	103	Sand, firm -----	12	285
Sand, coarse, and boulders -----	32	135	Sand and gravel -----	24	309
Sand and boulders with streaks of clay ---	14	149	Sand, coarse -----	9	318
Sand and gravel -----	56	205	Sand -----	9	327
			Sand and gravel with streaks of clay ---	12	339
			Sand with streaks of clay -----	101	440

## 7N/12W-27H2.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand, coarse, with streaks of clay ----	25	465	Clay, sandy, with streaks of sand, gravel, and rocks--	5	655
Sand with small streaks of clay ----	5	470	Clay, sandy, with streaks of sand and gravel -----	65	720
Clay, sandy -----	15	485	Sand with blue and green streaks of clay -----	10	730
Clay, sandy, with streaks of sand and gravel -----	62	547	Clay, blue -----	29	759
Sand, gravel, and rocks -----	17	564			
Clay, sandy, with streaks of sand and gravel -----	86	650			

7N/12W-27J4. Los Angeles County Waterworks District No. 4.  
 Drilled by Evans Bros. Drilling Co. in 1956. 14-inch casing 0-1,102 ft,  
 perforated 362-1,102 ft. Altitude about 2,448 ft.

Surface sand and coarse gravel -----	40	40	Sand with streaks of clay and gravel-	131	516
Gravel, coarse, with streaks of clay ----	20	60	Sand with streaks of sandy clay ----	212	728
Sand -----	30	90	Sand and clay -----	22	750
Sand and gravel -----	130	220	Clay, blue -----	180	930
Sand with streaks of clay -----	65	285	Sand with thin streaks of clay ---	70	1,000
Sand -----	25	310	Sand with streaks of brown clay -----	70	1,070
Clay with streaks of sand -----	75	385	Sand -----	38	1,108

7N/12W-27J5. Los Angeles County Waterworks District No. 4.  
 Drilled by Evans Bros. Drilling Co. in 1953. 14-inch casing 0-344 ft,  
 14- to 10-inch adapter 344-350 ft, and 10-inch casing 350-700 ft;  
 perforated 350-700 ft. Altitude about 2,449 ft.

Surface sand -----	20	20	Sand, gravel, and boulders -----	70	310
Sand with streaks of gravel -----	18	38	Sand and gravel ----	20	330
Sand with streaks of clay -----	32	70	Gravel with streaks of clay -----	47	377
Sand and gravel -----	90	160	Sand with thin streaks of clay ---	323	700
Clay -----	40	200			
Gravel -----	40	240			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-28E1. Antelope Park Mutual Water Co. Drilled by F. Rottman in 1955. 12-inch casing 0-400 ft, perforated 200-400 ft. Altitude about 2,418 ft.

Surface sand -----	50	50	Sand, fine, and		
Sand and clay -----	40	90	clay -----	60	260
Sand and clay, hard --	10	100	Sand and clay, hard -	20	280
Clay, sandy -----	80	180	Boulders, sand, and		
Clay, sand, and			clay -----	20	300
boulders -----	20	200	Sand, coarse, and		
			clay -----	100	400

7N/12W-28M1. Drilled by F. Rottman in 1944. 14-inch casing 0-200 ft, 12-inch casing 200-400 ft. Altitude about 2,431 ft.

Sand -----	50	50	"Rough drilling" ----	30	210
Sand, hard -----	10	60	Clay and sand -----	30	240
Sand and boulders ----	20	80	Sand and clay -----	20	260
"Rough drilling" ----	20	100	"Heavy gravel" -----	30	290
Clay and sand -----	20	120	Gravel and clay -----	30	320
Sand and boulders ----	20	140	Gravel and "rough		
Sand, hard, and			drilling" -----	20	340
boulders -----	20	160	"Rough drilling" ----	20	360
Boulders and "strata"-	20	180	Clay, rocky -----	40	400

7N/12W-29F1. Mountain View Farms Mutual Water Co. Drilled by R. H. Orr in 1926. 12-inch casing 0-143 ft, 10-inch casing 120-470 ft, perforated 118-470 ft. Altitude about 2,415 ft.

Soil -----	55	55	Sand -----	2	212
Sand -----	2	57	Clay -----	10	222
Clay and sand -----	18	75	Sand -----	2	224
Sand -----	2	77	Clay -----	51	275
Clay -----	23	100	Sand -----	2	277
Sand -----	2	102	Clay -----	13	290
Clay -----	23	125	Sand -----	3	293
Sand -----	2	127	"Cement" and clay ---	12	305
Clay -----	23	150	Sand -----	5	310
Sand -----	2	152	Sand and rock -----	14	324
Clay -----	23	175	Sand -----	2	326
Sand -----	3	178	Sand and rock -----	19	345
Clay -----	32	210	Sand -----	2	347

## 7N/12W-29F1.--Continued.

		Thickness (feet)	Depth (feet)			Thickness (feet)	Depth (feet)
Sand and rock -----		18	365	Sand -----		2	427
Sand -----		2	367	Sand and rock -----		23	450
Sand and rock -----		48	415	Sand -----		3	453
Sand -----		4	419	Rock -----		17	470
Sand and rock -----		6	425				

7N/12W-29F2. Mountain View Farms Mutual Water Co. Drilled by Evans Bros. Drilling Co. in 1956. 14-inch casing 0-464 ft, perforated 278-464 ft. Altitude about 2,415 ft.

Surface sand, gravel, and clay -----	110	110	Sand with streaks of sandy clay -----	58	258
Clay, red, sandy -----	15	125	Shale, hard streaks -	14	272
Sand with streaks of clay -----	45	170	Sand with streaks of clay -----	73	345
Sand, hard, with streaks of red, sandy clay -----	30	200	Clay, sandy -----	55	400
			Sand and gravel, with streaks of clay ---	62	462
			Rock -----	2	464

7N/12W-29R1. Drilled by R. H. Orr in 1924. 12-inch casing 0-141 ft, 10-inch perforated casing 125-480 ft. Altitude about 2,447 ft.

Soil and sand -----	75	75	Sandstone -----	22	275
Sand -----	1	76	Sand -----	2	277
Clay and sand -----	14	90	Sand and rock -----	24	301
Sand -----	2	92	Sand -----	3	304
Clay -----	8	100	Sand and rock -----	6	310
Sand -----	2	102	Sand -----	1	311
Clay and sand -----	20	122	Sand and rock -----	11	322
Sand -----	2	124	Sand -----	2	324
Sand with clay -----	26	150	Sand and rock, hard -	21	345
Sand -----	3	153	Sand -----	2	347
Sand with clay -----	17	170	Sand and rock -----	23	370
Sand -----	3	173	Sand -----	2	372
Clay -----	27	200	Sand and rock, hard -	13	385
Sand -----	2	202	Sand -----	5	390
Clay -----	8	210	Sand and rock, hard -	30	420
Sand -----	1	211	Sand -----	5	425
Clay -----	9	220	Sand and rock, hard -	35	460
Sand -----	2	222	Sand -----	2	462
Clay -----	28	250	Sand and rock, hard -	18	480
Sand -----	3	253			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-32R2. Antelope Valley Water Co. Drilled by Evans Bros. Drilling Co. in 1950. 12-inch casing 0-437 ft, perforated 240-437 ft. Altitude about 2,523 ft.

Sand -----	50	50	Boulders -----	25	239
Sand, clay, and gravel -----	36	86	Clay and boulders ---	26	265
Clay with streaks of gravel -----	56	142	Sand and gravel -----	55	320
Sand and some boulders -----	72	214	Gravel and boulders -	45	365
			Sand, hard -----	25	390
			Clay -----	14	404
			Boulders -----	33	437

7N/12W-33R1. White Fence Farms Mutual Water Co. Drilled by Fred Miller in 1951. 14-inch casing 0-622 ft, perforated 222-622 ft. Altitude about 2,520 ft.

Surface sandy loam ---	10	10	Clay -----	5	405
Sand, coarse -----	30	40	Sand -----	10	415
Sand -----	20	60	Sand and clay -----	10	425
Sand, coarse -----	10	70	Sand -----	10	435
Sand -----	80	150	Rock -----	5	440
Sand and gravel, hard -----	50	200	Clay -----	5	445
Sand -----	20	220	Sand -----	15	460
Sand, hard -----	30	250	Clay -----	5	465
Sand and clay -----	10	260	Sand -----	10	475
Sand, hard -----	10	270	Clay -----	5	480
Sand -----	10	280	Rock and sand -----	15	495
Sand, hard -----	10	290	Sand -----	10	505
Sand and clay -----	10	300	Sand -----	31	536
Sand, hard -----	10	310	Sand and gravel, hard -----	29	565
Sand and clay -----	10	320	Clay -----	10	575
Rock and clay -----	20	340	Sand and gravel -----	20	595
Rock -----	10	350	Boulders and clay ---	15	610
Sand -----	20	370	Clay -----	5	615
Sand -----	30	400	Granite, hard -----	7	622



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-34A1. Former owner G. F. Phillips. Drilled by R. H. Orr in 1924. 10-inch casing 0-159 ft, 6½-inch perforated casing 150-302 ft. Altitude about 2,479 ft.

Soil -----	25	25	Sand -----	4	219
Sand, hard -----	107	132	Clay -----	11	230
Sand -----	3	135	Sand -----	2	232
Clay and sand -----	20	155	Clay -----	18	250
Sand -----	2	157	Sand -----	2	252
Clay -----	18	175	Clay -----	23	275
Sand -----	3	178	Sand -----	2	277
Clay -----	6	184	Clay -----	3	280
Sand -----	2	186	Sand -----	3	283
Clay -----	29	215	Clay -----	19	302

7N/12W-34A2. Harry Levinsky, formerly Whitehead. Drilled by F. Rottman in 1946. 10-inch casing 0-400 ft, perforated 204-400 ft. Altitude about 2,485 ft.

Sand -----	100	100	"Hard formation" ----	20	300
Sand and gravel -----	50	150	Gravel and sand ----	30	330
Sand and boulders ----	80	230	Sand and boulders ---	20	350
Boulders and sand ----	50	280	Clay and sand -----	50	400

7N/12W-34A3. George Christock, formerly J. S. Green. Drilled by F. Rottman in 1945. 8-inch casing 0-350 ft, perforated 200-350 ft. Altitude about 2,490 ft.

Sand -----	60	60	Sand and gravel -----	10	230
Clay, sand, and boulders -----	20	80	Clay and boulders ---	20	250
Sand and gravel -----	5	85	Sand -----	10	260
Sand and rock -----	47	132	Clay -----	20	280
Clay -----	33	165	Clay, hard -----	30	310
Sand and boulders ----	7	172	Sand and shale -----	12	322
Clay -----	28	200	Clay -----	18	340
Clay and boulders ----	20	220	Sand -----	3	343
			Clay -----	7	350

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/12W-34R1. Drilled by F. Rottman in 1945. 8-inch casing 0-300 ft, perforated 200-300 ft. Altitude about 2,525 ft.

Sand -----	60	60	Sand and gravel -----	7	172
Clay and sand boulders -----	20	80	Clay -----	28	200
Sand and gravel -----	5	85	Clay and boulders ---	20	220
Clay and sand boulders -----	40	125	Sand -----	10	230
Sand and rock -----	7	132	Clay and boulders ---	20	250
Clay and sand boulders -----	33	165	Sand -----	10	260
			Clay and boulders ---	20	280
			Clay, hard -----	20	300

7N/13W-10B1. Peter Jacobs, formerly Roy E. Olson. Drilled by F. Rottman in 1951. 12-inch casing 0-504 ft, perforated 120-504 ft. Altitude about 2,366 ft.

Sand -----	50	50	Boulders and sand ---	50	300
Sand and gravel -----	30	80	Clay -----	30	330
Clay and gravel -----	20	100	Clay and gravel -----	20	350
Sand -----	30	130	Sand and clay -----	50	400
Sand and gravel -----	20	150	Clay and gravel -----	30	430
Clay and gravel -----	50	200	Sand and gravel -----	20	450
Sand and clay -----	30	230	"Heavy gravel" -----	30	480
Clay and gravel -----	20	250	Clay -----	24	504

7N/13W-11D6. Drilled by R. H. Orr in 1917. 12-inch casing 0-80 ft, 10-inch perforated casing 70-351 ft. Altitude about 2,357 ft.

Soil -----	16	16	Sand -----	1	166
Sand -----	1	17	Clay -----	59	225
Clay -----	13	30	Sand -----	4	229
Sand -----	2	32	Clay and "cement" ---	65	294
Clay -----	28	60	Sand -----	2	296
Sand -----	2	62	Clay and "cement" ---	24	320
Clay -----	27	89	Sand -----	2	322
Sand -----	3	92	"Cement" and clay ---	17	339
Clay -----	23	115	Sand -----	3	342
Sand -----	3	118	"Cement" -----	3	345
Clay -----	29	147	Sand -----	1	346
Sand -----	3	150	"Cement" -----	5	351
Clay -----	15	165			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-11E1. Drilled by R. & C. Drilling Co. in 1946. 6-inch casing 0-200 ft, perforated 120-200 ft. Altitude about 2,354 ft.

Sand -----	36	36	Clay -----	30	120
Clay -----	28	64	Sand and gravel -----	62	182
Sand and gravel -----	26	90	Sand -----	24	206

7N/13W-13C1. Shortridge. Drilled by F. Rottman in 1950. 7-inch casing 0-100 ft, perforated 40-100 ft. Altitude about 2,332 ft.

Surface soil -----	20	20	Gravel, fine -----	13	62
Gravel -----	17	37	Clay -----	11	73
Clay -----	12	49	Gravel -----	27	100

7N/13W-14D1. Mira Loma Facility. Drilled by Mogle Brothers in 1941. 14-inch casing, perforated 321-340 ft, 365-367 ft, 377-385 ft, and 444-480 ft. Altitude about 2,351 ft.

Top soil -----	15	15	Clay, yellow -----	5	365
Clay, brown, impervious -----	10	25	Sand and gravel, coarse, water-bearing -----	2	367
Clay, sandy -----	122	147	Clay, yellow -----	10	377
Sand, water-bearing --	15	162	Gravel, fine, water-bearing -----	8	385
Clay -----	35	197	Clay -----	1	386
Sand, coarse -----	5	202	"Quicksand" -----	4	390
Clay, sandy, hard ----	77	279	Clay, tough, sticky -	54	444
"Quicksand" -----	3	282	Sand, coarse, water-bearing -----	6	450
Sand and stone -----	15	297	Sand, cemented -----	15	465
Clay -----	24	321	Sand, coarse, water-bearing -----	5	470
Sand, coarse, water-bearing -----	2	323	Sand, cemented -----	10	480
Sand, cemented -----	5	328	Clay, yellow, sandy -	20	500
Sand, hard, packed ---	12	340			
Clay, yellow -----	10	350			
"Quicksand" -----	10	360			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-14D2. Mira Loma Facility. Drilled by Mogle Brothers in 1941. 12-inch casing 0-500 ft, perforated 400-406 ft, 414-426 ft, 445-448 ft, 466-471 ft, and 483-488 ft. Altitude about 2,352 ft.

"Anchor hole" -----	9	9	Clay, blue, sticky --	15	395
Clay, sandy -----	6	15	Clay, sandy -----	5	400
Clay, white -----	15	30	Sand, coarse,		
Clay, sandy -----	21	51	water-bearing -----	6	406
Gravel, fine,			Clay, sandy -----	8	414
water-bearing -----	4	55	Sand, coarse,		
Clay, brown, sandy ---	47	102	water-bearing -----	12	426
Clay, blue -----	3	105	Clay, white -----	19	445
Clay, yellow, sticky -	27	132	Sand, water-bearing -	3	448
Sand, coarse,			Clay, green, sandy --	18	466
water-bearing -----	4	136	Sand, coarse,		
Clay, sandy -----	12	148	water-bearing -----	5	471
Sand, medium-coarse --	17	165	Clay, white, sticky -	12	483
Clay, white, hard ----	11	176	Sand, coarse -----	5	488
Sand and clay -----	204	380	Clay, sandy -----	12	500

7N/13W-14E1. Mira Loma Facility. Drilled by F. Rottman in 1957. 14-inch casing 0-930 ft, no casing 930-1,239 ft, perforated 150-930 ft. Altitude about 2,350 ft.

Hard soil -----	7	7	Sand, firm -----	14	374
Sand -----	5	12	Sand, gravel, and		
Sand, gravel, and			rocks -----	52	426
clay -----	25	37	Sand, coarse, with		
Rocks, sand, and			streaks of clay ---	60	486
gravel -----	13	50	Sand and blue clay --	17	503
Sand and gravel, with			Sand, loose -----	53	556
streaks of clay ----	39	89	Sand, coarse, and		
Sand, loose -----	33	122	blue clay -----	53	609
Gravel with streaks			Sand and rock, with		
of clay -----	23	145	streaks of clay ---	66	675
Sand with streaks			Clay, blue, sandy ---	14	689
of clay -----	33	178	Sand and gravel, with		
Rocks, sand, and			streaks of clay ---	41	730
gravel -----	34	212	Sand, firm -----	13	743
Sand with streaks			Sand and gravel, with		
of clay -----	33	245	streaks of clay ---	47	790
Rocks and sand, with			Clay, sandy -----	27	817
streaks of clay ----	50	295	Sand and gravel,		
Sand and gravel, with			with streaks of		
streaks of clay ----	65	360	clay -----	73	890

## 7N/13W-14E1.--Continued

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay, sandy, and rocks -----	7	897	Sand, firm, and gravel -----	15	1,095
Sand and gravel -----	33	930	Sand, gravel, and clay streaks -----	25	1,120
Sand and gravel, with streaks of clay ----	110	1,040	Sand, firm -----	80	1,200
Rocks and sand -----	12	1,052	Sand, hard -----	39	1,239
Sand and gravel -----	18	1,070			

7N/13W-14E2. Mira Loma Facility. Drilled by Evans Bros. Drilling Co. 14-inch casing 0-570 ft, perforated 216-252 ft, 264-288 ft, 300-312 ft, 378-432 ft, and 450-570 ft. Altitude about 2,350 ft.

Surface sand -----	17	17	Clay with sandstone and boulders -----	7	382
Clay -----	23	40	Clay with streaks of gravel -----	28	410
Gravel, coarse -----	24	64	Sand and gravel, with streaks of clay ---	7	417
Clay -----	26	90	Sand, gravel, and boulders -----	13	430
Clay, gravel, and limestone -----	25	115	Clay with a little sand -----	20	450
Clay, sandy, and some gravel -----	45	160	Clay with streaks of sand -----	44	494
Clay -----	42	202	Sand with specks of clay -----	20	514
Clay, sandy -----	11	213	Sand, coarse -----	31	545
Sand -----	37	250	Sand and clay -----	7	552
Clay -----	15	265	Sand, coarse, with streaks of clay ---	18	570
Gravel -----	2	267	Clay streaks and sand -----	15	585
Clay and a little sand -----	35	302	Sand with specks of gray clay -----	15	600
Sand -----	13	315			
Clay and gravel -----	13	328			
Clay -----	10	338			
Clay with streaks of sand -----	22	360			
Clay -----	15	375			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-22A1. Richard Kingston, formerly Bonnafoux Bros. Alfalfa Mill. Drilled by Evans Bros. Drilling Co. in 1961. 6-inch casing 0-500 ft, perforated 350-500 ft. Altitude about 2,361 ft.

Sand and clay -----	20	20	Clay -----	40	190
Clay, sandy, and sand -----	40	60	Clay with streaks of sand -----	12	202
Sand with thin streaks of clay -----	25	85	Sand with streaks of clay -----	154	356
Sand -----	11	96	Sand, coarse, with streaks of clay ---	144	500
Clay with streaks of sand -----	54	150			

7N/13W-22Q1. Walter Schneider. Drilled by F. Rottman in 1945. 12-inch casing 0-450 ft, perforated 150-450 ft. Altitude about 2,379 ft.

No entry -----	70	70	Clay, white -----	10	288
Rock and sand -----	5	75	Clay, hard -----	2	290
Clay -----	15	90	Boulders and sand ---	15	305
Rock and sand -----	5	95	Clay, hard -----	15	320
Sand, hard -----	20	115	Boulders and sand ---	3	323
Clay -----	20	135	Clay, white -----	12	335
Clay and boulders ----	10	145	Boulders and sand ---	3	338
Clay -----	15	160	Clay, hard -----	15	353
Clay and boulders ----	10	170	Clay, white -----	5	358
Clay, hard -----	15	185	Clay and boulders ---	2	360
Sand and rock -----	10	195	Rock and sand -----	5	365
Clay -----	20	215	Clay, soft -----	5	370
Clay and boulders ----	3	218	Rock and gravel -----	3	373
Clay -----	12	230	Clay, red -----	22	395
Sand and boulders ----	8	238	Clay and boulders ---	3	398
Clay -----	12	250	Gravel and rock -----	17	415
Boulders and gravel --	5	255	Rock and clay -----	3	418
Clay -----	20	275	Rock and gravel -----	2	420
Boulders and gravel --	3	278	Clay, hard -----	30	450



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-22R1. R. E. Stevens. Drilled by Evans Bros. Drilling Co.  
in 1951. Altitude about 2,385 ft.

Surface dirt -----	30	30	Sand and gravel -----	37	397
Sand, coarse -----	30	60	Sand and gravel,		
Sand -----	30	90	with small streaks		
Sand and gravel -----	60	150	of clay -----	18	415
Clay, sandy -----	30	180	Clay, sandy -----	15	430
Sand, clay, and			Sand and gravel,		
gravel -----	35	215	with streaks of		
Clay, sandy -----	10	225	clay -----	15	445
Sand and coarse			Sand, gravel, and		
gravel -----	85	310	rocks -----	10	455
Sand and gravel,			Sand, firm -----	10	465
with small streaks			Sand, hard -----	2	467
of clay -----	50	360	Rock -----	8	475

7N/13W-23E2. Drilled by R. H. Orr in 1923. 14-inch casing  
0-100 ft, 10-inch perforated casing 90-351 ft. Altitude about 2,369 ft.

Soil -----	24	24	Sand -----	1	161
Sand -----	1	25	Clay -----	29	190
Clay -----	15	40	Sand and "cement" ---	50	240
Sand -----	2	42	Clay -----	18	258
Clay -----	18	60	Sand -----	2	260
Sand -----	2	62	Clay, hard, and		
Clay -----	18	80	"cement" -----	31	291
Sand -----	2	82	Clay -----	9	300
Clay and "cement" ----	21	103	Sand -----	8	308
Sand -----	3	106	Clay -----	17	325
Clay and "cement" ----	24	130	Sand -----	3	328
Sand -----	3	133	Clay -----	23	351
Clay and "cement" ----	27	160			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-23Q1. Suie N. Yee. Drilled by Evans Bros. Drilling Co. in 1951. 12-inch casing 0-448 ft, perforated 238-448 ft. Altitude about 2,387 ft.

Surface sand -----	50	50	Clay with streaks of sand and gravel ---	65	315
Sand and gravel, with streaks of clay ----	40	90	Sand, fine, with streaks of clay ---	11	326
Sand and gravel -----	20	110	Sand, coarse, and fine gravel -----	24	350
Sand and gravel, with streaks of clay ----	15	125	Sand, coarse, and gravel -----	44	394
Sand with streaks of clay -----	25	150	Clay with thin streaks of sand -----	10	404
Gravel -----	20	170	Sand and gravel, with streaks of clay ---	32	436
Gravel with streaks of clay -----	15	185	Clay, white -----	12	448
Clay with streaks of sand and gravel ----	30	215			
Sand and gravel -----	20	235			
Sand and gravel, with streaks of clay ----	15	250			

7N/13W-23R1. Drilled by Evans Bros. Drilling Co. in 1950. 12-inch casing, perforated 199-437 ft. Altitude about 2,384 ft.

Gravel -----	80	80	Clay -----	17	276
Sand, fine -----	20	100	"Lime rock" -----	8	284
Gravel and clay -----	35	135	Clay and gravel -----	51	335
Clay -----	15	150	Boulders and gravel -	10	345
"Lime rock" -----	4	154	Rock -----	7	352
Clay -----	26	180	Clay -----	6	358
Gravel -----	6	186	Rock -----	2	360
Clay -----	22	208	Clay -----	8	368
"Lime rock" -----	4	212	Boulders and gravel -	10	378
Boulders -----	4	216	Clay -----	8	386
Clay -----	11	227	Boulders and sand ---	26	412
Boulders -----	7	234	Clay and "lime rock" -----	6	418
Clay -----	9	243	Boulders and gravel -	12	430
Boulders and gravel --	3	246	Clay -----	7	437
Clay -----	9	255			
Boulders and gravel --	4	259			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-24B1. A. E. Carnes. Drilled by Pengilley Brothers in 1949. 8-inch casing 0-200 ft, perforated 100-200 ft. Altitude about 2,350 ft.

Sand and clay -----	40	40	Clay -----	8	168
Sand -----	6	46	Sand -----	4	172
Clay -----	62	108	Clay -----	4	176
Sand and gravel, water-bearing -----	25	133	Sand and gravel -----	13	189
Clay -----	12	145	Clay -----	3	192
Sand and gravel -----	15	160	Sand and gravel -----	8	200

7N/13W-24H1. Drilled by R. H. Orr in 1920. 12-inch casing 0-61 ft, 10-inch perforated casing 51-252 ft. Altitude about 2,355 ft.

Soil -----	20	20	Clay -----	28	150
Sand -----	1	21	Sand -----	2	152
Clay -----	19	40	Clay -----	18	170
Sand -----	2	42	Sand -----	2	172
Clay -----	24	66	"Cement" -----	5	177
Sand -----	2	68	Sand -----	3	180
Clay -----	2	70	"Cement" and clay ---	51	231
Sand -----	6	76	Sand -----	3	234
Clay -----	24	100	"Cement" and clay ---	11	245
Sand -----	3	103	Sand -----	1	246
Clay -----	17	120	"Cement" and clay ---	6	252
Sand -----	2	122			

7N/13W-24M1. Los Angeles County Waterworks District No. 4. Drilled by Evans Bros. Drilling Co. in 1951. 14-inch casing 0-600 ft, perforated 216-456 ft and 504-600 ft. Altitude about 2,374 ft.

Sand and gravel -----	150	150	Sand with streaks of clay -----	16	326
Sand with streaks of clay -----	20	170	Clay and gravel -----	60	386
Sand and gravel -----	10	180	Clay -----	94	480
Clay -----	43	223	Sand, coarse, and gravel -----	86	566
Sand with streaks of clay -----	47	270	Gravel -----	31	597
Clay -----	15	285	Rock -----	3	600
Sand and gravel -----	25	310			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-24M2. Los Angeles County Waterworks District No. 4.  
 Drilled by Evans Bros. Drilling Co. in 1951. 14-inch casing 0-593 ft,  
 perforated 167-593 ft. Altitude about 2,372 ft.

Caliche -----	10	10	Sand and gravel, with		
Sand -----	55	65	streaks of clay ---	20	320
Sand and gravel, with			Clay -----	23	343
an occasional			Clay with an occa-		
boulder -----	15	80	sional boulder ----	22	365
Clay and sand -----	20	100	Sand and gravel, with		
Clay, with streaks			streaks of clay ---	23	388
of sand -----	25	125	Sand and gravel -----	22	410
Clay -----	53	178	Clay streaks in		
Clay, with streaks			sand and gravel ---	22	432
of sand and gravel -	27	205	Sand and gravel -----	18	450
Sand and gravel, with			Sand, hard, and		
streaks of clay ----	40	245	gravel -----	25	475
Sand and gravel, with			Sand and gravel -----	71	546
an occasional			Sand and gravel, with		
boulder -----	8	253	streaks of clay ---	45	591
Sand and gravel, with			Granite, decomposed -	2	593
streaks of clay ----	23	276			
Sand with streaks					
of clay -----	24	300			

7N/13W-24Q1. Daniel Humfreville. Drilled by F. Rottman in 1960.  
 8-inch casing 0-300 ft, perforated 78-300 ft. Altitude about 2,375 ft.

Topsoil -----	2	2	Sand -----	25	135
Hardpan and clay -----	4	6	Clay and sand -----	35	170
Sand, fine, with			Clay, sandy -----	40	210
streaks of clay ----	24	30	Sand, coarse -----	30	240
Sand with streaks			Sand, with streaks		
of clay -----	40	70	of clay -----	20	260
Sand, firm, with			Gravel -----	40	300
streaks of clay ----	40	110			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-24Z4. Drilled in 1952. 12-inch casing 0-422 ft, perforated 120-422 ft. Altitude about 2,377 ft.

Sand -----	50	50	Clay, white -----	30	280
Sand and clay -----	30	80	Sand -----	20	300
Clay -----	20	100	Sand and clay -----	30	330
Sand and white clay --	50	150	Clay and gravel -----	20	350
Gravel -----	20	170	Sand -----	20	370
Clay and gravel -----	30	200	Sand and clay -----	30	400
Clay -----	30	230	Clay, tough -----	22	422
Sand -----	20	250			

7N/13W-25M1. Quartz Hill County Water District. Drilled by F. Rottman in 1959. 16-inch casing 0-590 ft, no casing 590-647 ft, perforated 300-590 ft. Altitude about 2,419 ft.

Surface soil -----	20	20	Gravel and a little		
Sand and gravel -----	30	50	clay -----	20	470
Sand, coarse -----	10	60	Clay, sandy, and		
Sand -----	30	90	gravel -----	80	550
Clay and sand -----	15	105	Sand, coarse; clay,		
Sand and small gravel-	45	150	and boulders -----	35	585
Clay, sandy, and			Sand, black, and		
gravel -----	285	435	gravel -----	30	615
Clay, sand, and			Rock, black -----	32	647
gravel -----	15	450			

7N/13W-26J1. Former owner E. T. Earl. Drilled by R. H. Orr in 1919. 16-inch casing 0-140 ft, 10-inch perforated casing 129-501 ft. Altitude about 2,413 ft.

Granite and soil -----	58	58	Granite -----	20	172
Sand -----	1	59	Sand -----	8	180
Granite -----	9	68	Granite and clay ----	45	225
Sand -----	1	69	Sand -----	2	227
Granite -----	20	89	Granite, clay, and		
Sand -----	2	91	"sand rock" -----	45	272
Granite -----	31	122	Sand -----	3	275
Sand -----	1	123	Clay -----	27	302
Granite -----	27	150	Sand -----	3	305
Sand -----	2	152	Clay and "cement" ---	20	325

## 7N/13W-26J1.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand -----	2	327	Granite -----	18	440
"Sand rock" -----	23	350	Sand -----	3	443
Sand -----	3	353	Granite -----	12	455
Granite -----	49	402	Sand -----	2	457
Sand -----	3	405	Granite -----	28	485
Granite -----	16	421	Sand -----	1	486
Sand -----	1	422	Granite -----	15	501

7N/13W-26J2. Palm Ranch Irrigation District. Drilled by F. Rottman in 1957. 14-inch casing 0-606 ft, perforated 288-606 ft. Altitude about 2,417 ft.

Surface sand -----	40	40	Sand, fine, and		
Sand, fine -----	10	50	clay -----	40	320
Sand, boulders, and			Gravel, coarse, and		
clay -----	50	100	clay -----	60	380
Sand and clay -----	40	140	Clay; fine sand, and		
Sand, fine, and clay -	20	160	boulders -----	40	420
Sand, coarse, and			Sand, coarse, and		
clay -----	40	200	clay -----	40	460
Gravel, coarse, and			Clay and coarse		
clay -----	20	220	gravel -----	60	520
Boulders and clay ----	20	240	Clay and coarse		
Clay and coarse			sand -----	20	540
gravel -----	40	280	Boulders and shale --	66	606

7N/13W-27A1. W. Schneider. Drilled by F. Rottman in 1946. 12-inch casing 0-349 ft, perforated 138-349 ft. Altitude about 2,395 ft.

Surface sand -----	70	70	Clay -----	20	210
Sand and boulders ----	30	100	Clay and boulders ---	40	250
Clay and boulders ----	30	130	Clay and sand -----	30	280
Sand and clay -----	30	160	Rocks and clay -----	69	349
Boulders and clay ----	30	190			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-27K1. Godde Brothers. Drilled by F. Rottman in 1962.  
16-inch casing 0-500 ft, no casing 500-650 ft, perforated 274-500 ft.  
Altitude about 2,397 ft.

Surface soil -----	15	15	Sand, coarse, and		
Sand and gravel -----	32	47	clay -----	107	400
Sand with streaks			Sand and gravel -----	65	465
of clay -----	36	83	Sand, hard -----	7	472
Sand and gravel, with			Sand, firm -----	15	487
streaks of clay ----	177	260	Sand, hard -----	37	524
Sand, coarse, and			Sand, hard, and		
gravel -----	33	293	rock -----	126	650

7N/13W-27R2. E. M. Gorsline. Drilled by F. Rottman in 1944.  
10-inch casing 0-300 ft, perforated 150-300 ft. Altitude about 2,418 ft.

Surface formation ----	145	145	Clay and boulders ---	40	265
Sand and boulders ----	10	155	Clay, soft -----	10	275
Clay, soft -----	25	180	Clay and boulders ---	10	285
Sand and boulders ----	5	185	Sand and boulders ---	5	290
Clay, soft -----	40	225	Clay -----	10	300

7N/13W-34B1. Quartz Hill High School, formerly H. L. Cogerty.  
Drilled by Evans Bros. Drilling Co. in 1958. 14-inch casing 0-475 ft,  
perforated 250-475 ft. Altitude about 2,433 ft.

Surface soil -----	2	2	Clay, sandy, and		
Granite, decomposed --	16	18	sand -----	25	325
Sand, coarse -----	62	80	Sand with streaks		
Clay and sand -----	45	125	of sandy clay -----	25	350
Sand, coarse -----	20	145	Clay, sandy, and		
Clay, sandy -----	35	180	some sand -----	50	400
Sand and clay -----	45	225	Sand with streaks		
Sand and gravel -----	25	250	of clay -----	70	470
Clay, sandy -----	25	275	Rock, hard -----	15	485
Clay, sandy, with					
streaks of sand ----	25	300			

Thickness Depth (feet) (feet)		Thickness Depth (feet) (feet)	
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7N/13W-34C1. Drilled by F. Rottman in 1951. 12-inch casing  
0-450 ft, perforated 250-450 ft. Altitude about 2,440 ft.

Surface soil -----	30	30	Clay -----	25	200
Gravel, fine, and clay -----	25	55	Clay and gravel -----	23	223
Gravel, coarse -----	7	62	Gravel -----	23	246
Gravel and boulders --	26	88	Clay and boulders ---	22	268
Sand and gravel -----	23	111	Clay -----	22	290
Clay and boulders ----	26	137	Clay and gravel -----	68	358
Clay and sand -----	18	155	Gravel, and some clay -----	92	450
Gravel -----	20	175			

7N/13W-34J2. Godde Brothers. Drilled by F. Rottman in 1956.  
14-inch casing, perforated 270-690 ft. Altitude about 2,463 ft.

Surface sand -----	103	103	Sand with streaks of clay -----	17	318
Clay, sandy -----	10	113	Sand, coarse, and gravel -----	9	327
Sand with streaks of clay -----	54	167	Sand with streaks of clay -----	21	348
Sand and gravel -----	26	193	Sand -----	137	485
Sand, coarse, with streaks of clay ----	26	219	Sand, hard -----	6	491
Sand with streaks of clay -----	34	253	Rock, decomposed ----	16	507
Clay, sandy -----	8	261	Rock -----	103	610
Sand -----	26	287	Rock, decomposed ----	6	616
Sand, coarse -----	14	301	Rock, granitic -----	78	694

7N/13W-35B1. Quartz Hill County Water District. Drilled by  
F. Rottman in 1946. 14-inch casing 0-472 ft, perforated 196-472 ft.  
Altitude about 2,436 ft.

Sand -----	40	40	Clay and boulders ---	20	300
Boulders and sand ----	40	80	Sand and gravel -----	30	330
Sand -----	20	100	Sand and boulders ---	20	350
Rock and boulders ----	60	160	Clay and sand -----	30	380
Clay and boulders ----	20	180	Rock and sand -----	20	400
Rock and boulders ----	20	200	Rock and gravel -----	30	430
Sand and rock -----	20	220	Rock and a little clay -----	20	450
Rock and boulders ----	30	250	Rock -----	22	472
Sand and rock -----	30	280			



Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-35C1. Quartz Hill County Water District, formerly Frank Lane. Drilled by Evans Bros. Drilling Co. in 1952. Altitude about 2,437 ft.

Surface soil -----	10	10	Sand, coarse -----	10	330
Sand and gravel -----	98	108	Sand with streaks of		
Clay -----	7	115	hard sand -----	16	346
Clay and gravel, with			Clay and boulders ---	10	356
streaks of sand ----	20	135	Boulders and gravel -	46	402
Sand and boulders ----	29	164	Clay, with streaks		
Clay and gravel -----	22	186	of gravel -----	5	407
Sand with streaks			Sand and boulders ---	47	454
of clay -----	22	208	Clay, sand, and		
Sand -----	22	230	boulders -----	19	473
Clay, sandy -----	25	255	Rock -----	25	498
Clay -----	15	270	Sand, hard -----	2	500
Sand -----	25	295	Boulders -----	15	515
Sand and gravel -----	20	315	Granite -----	26	541
Clay and gravel -----	5	320			

7N/13W-35D1. Frank Lane. Drilled by R. H. Orr in 1915. 16-inch casing 0-160 ft, 10-inch perforated casing 141-541 ft. Altitude about 2,424 ft.

Soil -----	46	46	Clay -----	26	265
Sand -----	2	48	Sand -----	2	267
Clay -----	29	77	Clay -----	37	304
Sand -----	2	79	Sand -----	3	307
Clay -----	8	87	Clay -----	8	315
Sand -----	2	89	Sand -----	2	317
Clay -----	25	114	Clay -----	18	335
Sand -----	2	116	Sand -----	2	337
Clay -----	9	125	Clay -----	49	386
Sand -----	2	127	Sand -----	2	388
Clay -----	20	147	Rock -----	12	400
Sand -----	2	149	Sand -----	3	403
Clay -----	20	169	Clay -----	17	420
Sand -----	3	172	Sand -----	2	422
Clay and "cement" ----	7	179	Adobe -----	46	468
Sand -----	2	181	Sand -----	2	470
Clay -----	24	205	Rock -----	28	498
Sand -----	3	208	Sand -----	2	500
Clay -----	28	236	Adobe -----	1	501
Sand -----	3	239	Bedrock -----	40	541

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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7N/13W-36D2. Former owner E. T. Earl. Drilled by R. H. Orr in 1914. 16-inch casing 0-150 ft, 8 $\frac{1}{4}$ -inch perforated casing 140-466 ft. Altitude about 2,440 ft.

Soil -----	20	20	"Water" -----	5	275
Gravel, heavy, and fine sand -----	6	26	"Cement" -----	3	278
Clay -----	24	50	"Water" -----	2	280
"Cement" -----	2	52	Clay -----	11	291
Clay -----	26	78	"Water" -----	3	294
Sand, water-bearing --	1	79	Clay -----	25	319
"Cement," hard -----	7	86	"Cement" -----	1	320
"Water" -----	1	87	"Water" -----	1	321
Clay with rock -----	21	108	Sand and rock -----	3	324
Clay -----	12	120	Clay -----	10	334
Sand, water-bearing --	3	123	"Water" -----	2	336
"Cement," hard -----	5	128	Clay -----	11	347
"Kind of granite" ----	30	158	"Cement" -----	1	348
Granite -----	27	185	"Water" -----	3	351
"Water" -----	24	209	"Cement" -----	16	367
"Cement" -----	2	211	"Water" -----	2	369
"Water" -----	1	212	Rock -----	11	380
"Cement" -----	2	214	"Water" -----	2	382
"Water" -----	1	215	Clay -----	44	426
"Cement" -----	3	218	Sand and rock -----	18	444
Clay -----	52	270	Quartz and rock ----	22	466

NOTE: The entry "water" is presumed to apply to water-bearing material.

8N/11W-26R1. R. C. Jones. Drilled by R. & C. Drilling Co. in 1946. 12-inch casing 0-300 ft, perforated 96-300 ft. Altitude about 2,346 ft.

Sand -----	54	54	Sand, hard -----	29	180
Clay -----	4	58	Clay -----	4	184
Sand, hard -----	17	75	Sand -----	20	204
Clay -----	4	79	Gravel -----	18	222
Sand, hard -----	3	82	Sand, hard -----	10	232
Sand -----	27	109	Sand -----	16	248
Clay -----	2	111	Sand and clay, loose -----	6	254
Sand -----	22	133	Sand -----	36	290
Sand, hard -----	8	141	Clay -----	13	303
Sand -----	10	151			

Thickness (feet)	Depth (feet)	Thickness (feet)	Depth (feet)
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8N/11W-26R2. R. C. Jones. Drilled by F. Rottman in 1945.  
12-inch casing. Altitude about 2,346 ft.

No entry -----	70	70	Clay, white -----	10	170
Boulders and sand ----	10	80	Clay and boulders ---	8	178
Clay, soft -----	20	100	Clay -----	37	215
Boulders and sand ----	10	110	Sand, hard, and		
Clay, hard -----	15	125	boulders -----	20	235
Boulders and sand ----	5	130	Clay -----	5	240
Clay, white -----	5	135	Sand -----	20	260
Clay -----	20	155	Clay, rough -----	10	270
Sand and boulders ----	5	160	Clay, blue -----	11	281

8N/11W-28R3. Jack Collins. Drilled by F. Rottman in 1962.  
5-5/8-inch casing 0-255 ft, perforated 171-255 ft. Altitude about  
2,335 ft.

Clay -----	18	18	Sand and gravel, with		
Sand and clay -----	132	150	streaks of clay ---	105	255

8N/11W-28Z1. Former owner T. P. Breslin. Drilled by R. H. Orr in  
1914. 10-inch casing, perforated 44-272 ft. Altitude about 2,333 ft.

Soil -----	4	4	"Water" -----	3	123
"Water" -----	1	5	Clay -----	37	160
Clay -----	21	26	"Water" -----	2	162
"Water" -----	1	27	Clay -----	18	180
Clay -----	13	40	"Water" -----	1	181
"Water" -----	1	41	Clay -----	19	200
Clay -----	9	50	"Water" -----	2	202
"Water" -----	2	52	Clay -----	23	225
Clay -----	10	62	"Water" -----	3	228
"Water" -----	3	65	Clay -----	29	257
Clay -----	11	76	"Water" -----	1	258
"Water" -----	4	80	Clay -----	7	265
Clay -----	15	95	"Water" -----	2	267
"Water" -----	2	97	Clay -----	5	272
Clay -----	23	120			

NOTE: The entry "water" is presumed to apply to water-bearing material.

Thickness Depth		Thickness Depth	
(feet)	(feet)	(feet)	(feet)

8N/11W-34D1. Hubbard. Drilled by R. H. Orr in 1924. 10-inch casing 0-99 ft, 8-3/4-inch perforated casing 90-301 ft. Altitude about 2,341 ft.

Soil -----	15	15	Clay -----	32	175
Sand -----	2	17	Sand -----	4	179
Clay -----	23	40	Clay -----	29	208
Sand -----	2	42	Sand -----	6	214
Clay -----	28	70	Clay -----	31	245
"Cement" and sand ----	12	82	Sand -----	3	248
Clay -----	28	110	Clay -----	17	265
Sand -----	6	116	Sand -----	2	267
Clay -----	24	140	Clay -----	13	280
Sand -----	3	143	Clay, blue -----	21	301

8N/11W-34E1. E. A. Hubbard. Drilled by R. H. Orr in 1925. 10-inch casing 0-101 ft, 8 1/4-inch perforated casing 90-300 ft. Altitude about 2,346 ft.

Soil -----	20	20	Sand -----	2	152
Sand -----	2	22	Clay -----	23	175
Clay -----	10	32	Sand -----	2	177
Sand -----	2	34	Clay -----	40	217
Clay -----	31	65	Sand -----	3	220
Sand -----	3	68	Clay -----	30	250
Clay and "cement" ----	45	113	Sand -----	7	257
Sand -----	4	117	Clay -----	18	275
Clay -----	16	133	Sand -----	3	278
Sand -----	2	135	Clay -----	23	301
Clay -----	15	150			

8N/11W-34N1. Dr. Goodfellow. Drilled by R. H. Orr in 1925. 10-inch casing 0-100 ft, 8 1/4-inch perforated casing 91-301 ft. Altitude about 2,353 ft.

Soil -----	20	20	Sand -----	6	113
Sand -----	2	22	Clay -----	9	122
Clay -----	9	31	Sand -----	2	124
Sand -----	2	33	Clay -----	24	148
Clay -----	47	80	Sand -----	8	156
Sand -----	4	84	Clay -----	24	180
Clay -----	23	107	Sand -----	1	181

## 8N/11W-34N1.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Clay -----	29	210	Clay -----	16	280
Sand -----	2	212	Sand -----	3	283
Clay -----	43	255	Clay -----	18	301
Sand -----	9	264			

8N/11W-34R1. Drilled by R. H. Orr in 1925. 12-inch casing  
0-100 ft, 10-inch perforated casing 90-300 ft. Altitude about 2,358 ft.

Soil -----	16	16	Clay and "cement" ---	17	184
Sand -----	1	17	Sand -----	3	187
Clay -----	23	40	Clay and "cement" ---	23	210
Sand -----	2	42	Sand -----	3	213
Clay -----	40	82	Clay and "cement" ---	19	232
Sand -----	2	84	Sand -----	2	234
Clay -----	28	112	Clay and "cement" ---	11	245
Sand -----	3	115	Sand -----	3	248
Clay and "cement" ---	15	130	Clay and "cement" ---	17	265
Sand -----	2	132	Sand -----	3	268
Clay and "cement" ---	6	138	Clay and "cement" ---	10	278
Sand -----	3	141	Sand -----	2	280
Clay and "cement" ---	23	164	Clay, sticky -----	21	301
Sand -----	3	167			

8N/11W-35J1. Bailey Bros. Drilled by F. Rottman in 1951. 16-inch  
casing, perforated 740-1,536 ft. Altitude about 2,361 ft.

Surface deposits -----	75	75	Gravel -----	45	845
Sand and clay, in streaks -----	22	97	Gravel and clay, in streaks -----	45	890
Boulders and gravel --	28	125	Sand, gravel, and clay -----	113	1,003
Boulders with streaks of clay -----	107	232	Gravel -----	22	1,025
Sand, hard, packed ---	23	255	Gravel, with streaks of brown clay -----	45	1,070
Sand and clay -----	44	299	Boulders and gravel -	22	1,092
Clay, blue -----	336	635	Clay and gravel -----	45	1,137
Clay, brown, soft ----	13	648	Boulders, clay, and some gravel -----	22	1,159
Clay, blue -----	37	685	Sand, hard -----	90	1,249
Boulders and gravel --	18	703	Sand and clay -----	64	1,313
Gravel -----	53	756			
Gravel, coarse -----	44	800			

## 8N/11W-35J1.--Continued.

	Thickness (feet)	Depth (feet)		Thickness (feet)	Depth (feet)
Sand and clay, hard --	23	1,336	Gravel -----	22	1,426
Sand -----	22	1,358	Gravel, "good" -----	45	1,471
Sand, clay, and boulders; "easy drilling" -----	23	1,381	Gravel with streaks of clay -----	44	1,515
Sand, hard, and some clay -----	23	1,404	Gravel and hard limestone -----	21	1,536

8N/11W-35M1. B. C. Grey. Drilled by F. Rottman in 1947. 14-inch casing 0-300 ft, perforated 144-300 ft. Altitude about 2,356 ft.

Sand and clay -----	50	50	Clay -----	30	200
Clay and gravel -----	20	70	Clay and gravel -----	30	230
Sand and gravel -----	30	100	Gravel -----	20	250
Clay and gravel -----	30	130	Clay and gravel -----	20	270
Clay and boulders ----	20	150	Gravel -----	20	290
Gravel and boulders --	20	170	Clay -----	10	300

8N/12W-35M1. Andy Chakld. Drilled by F. Rottman in 1962. 6-inch casing 0-100 ft, perforated 72-100 ft. Altitude about 2,320 ft.

Surface soil -----	6	6	Clay, sandy -----	46	93
Sand with streaks of clay -----	41	47	Clay -----	5	98
			Sand and gravel -----	2	100

8N/13W-36L1. W. J. Fox Airfield. Drilled by Evans Bros. Drilling Co. in 1958. 14-inch casing 0-1,100 ft, no casing 1,100-1,200 ft, perforated 115-1,100 ft. Altitude about 2,340 ft.

Surface soil -----	5	5	Clay and sandy clay -	17	162
Sand -----	35	40	Sand with streaks of clay -----	128	290
Sand with streaks of clay -----	20	60	Clay, sand, and gravel -----	90	380
Sand and small gravel, with streaks of clay -----	26	86	Clay -----	15	395
Sand and clay -----	30	116	Sand -----	30	425
Sand, coarse -----	16	132	Sand and clay -----	35	460
Clay, sandy -----	13	145	Clay with streaks of sand -----	75	535

Thickness Depth			Thickness Depth		
		(feet)			(feet)
Sand with streaks			Sand, coarse, and		
of clay -----	70	605	gravel with		
Sand, hard, with			streaks of clay ---	60	800
streaks of clay ----	39	644	Sand and sandy clay -	45	845
Sand with streaks			Sand with streaks		
of clay -----	35	680	of clay -----	125	970
Clay with streaks			Sand, hard -----	51	1,021
of sand -----	40	720	Sand, coarse -----	14	1,035
Clay and sand -----	20	740	Sand, hard -----	165	1,200





APPENDIX E

TABLE 5. CHEMICAL ANALYSES OF WATER FROM WELLS



Table 5.--Chemical analyses of water from wells

Values for calcium preceded by the letter a indicate a combination of calcium and magnesium; values for sodium preceded by the letter b indicate a combination of sodium and potassium.

Analyzing Laboratory: AES University of California Agricultural Extension Service; DPH California Department of Public Health; DMR California Department of Water Resources; PC Los Angeles County Flood Control District; GS U.S. Geological Survey; IMD Los Angeles County Industrial Waste Division; PA Pomroy and Associates, Pasadena, Calif.

Well number	Date of collection	Depth of well (feet)	Water temperature (°F)	Results in parts per million (ppm)																Specific conductance (micromhos at 25°C)	pH	Analyzing laboratory and sample number				
				Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO <sub>3</sub> )	Carbonate (CO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Boron (B)	Dissolved solids		Hardness as CaCO <sub>3</sub>				Noncarbonate hardness as CaCO <sub>3</sub>	Percent sodium		
																	Calculated (sum of constituents)	Residue on evaporation at 180°C								
U.S. Public Health Service drinking-water standards (1962)																										
4N/ 8W-24M1	7-1-52	227	68	0.3	32	1.1	93	2.0	194	3	88	23	0.2	3.7	0.10		500	342	345	84	0	70	575	8.4	DMR T-2805	
4N/ 9W-10M1	8-14-53	406	68		66	18	52	3.8	244	0	116	15	.6	7.9	.04			399	427	239	38	32	671	7.4	DMR T-3354	
	12-13-56	406	64	25	59	29	58	2.3	236	0	139	20	.2	7.0				448	388	234	38	35	605	7.8	DMR T-54-35	
	9-4-58	406	69	18	76	21	68	4.3	287	12	164	21	.2	2.4	.09			536	596	309	55	32	855	8.3	DMR R-22-30	
	7-9-59	406	69							232	0		17							212	212	22	22	624	7.7	DMR T-0398
	4-13-61	406	70	24	58	17	57	4.1	242	0	110	18	.1	7.7	.05			415	416	215	16	36	680	7.6	DMR L-1055	
4N/10W-11M2	7-12-50	175		0	80	25	0	0	196	0	61	12		0	.5			276	415	303	142	0	0		7.1	PC 2016
5N/ 8W-13R1	5-20-61	400		17	43	18	31	5.9	98	0	157	7.0	.5	6.2	.04			334	297	182	102	26	505	7.9	DMR R-3937	
5N/ 9W-20J1	8-14-53	274.2			50	16	39	3.3	215	0	78	10	.7	9.4	0			312	338	191	15	30	515	7.8	DMR T-3364	
20X1	12-13-56	286		17	76	22	37	5.5	287	0	103	15	.2	10	0			427	424	280	45	22	600	7.5	DMR T-54-34	
	11-14-58	286			68	20	32	9.5	262	0	88	13		3.9	0			363	249	249	34	21	564	8.0	PC 2288	
	8-5-59	286			39	24	43		96	0	100	74		0				327		196	114	33	588	7.8	PC 4660	
25A1	5-14-64	542			27	12	42	4	157	6	57	11	.4	1.0	0			237	266	117	0	43	416	8.4	DMR R-461	
5N/10W-4R1	8-10-60			24	55	10	15	2.3	186	0	42	11	.3	3.7	.07			255	251	178	28	15	420	7.7	DMR R-3510	
232A	9-14-48	68			96	33	33	9.0	244	0	122	48		0	.5			428	536	376	194	5		8.5	PC 1143	
	9-14-49	68			104	36	0		340	0	133	28		20				488	526	408	129	0		7.0	PC 1462	
	2-1-50	68							336	0		24		0												
	6-28-50	68			124	57	0	0	304	0	151	30		10				582	736	544	295	0		7.7	PC 1966	
26F1	10-8-53	210			66	24	648		270	0	97	30		5				403	572	264			615	7.7	PC 5219	
	8-12-60	400		25	42	9.0	20	2.0	146	0	34	14	.3	4.3	.08			223	164	142	20	23	360	7.6	DMR R-3490	

Well number	Date of collection	Depth of well (feet)	Water temperature (°F)	Results in parts per million (ppm)														Specific conductance (micromhos at 25°C)	pH	Analyzing laboratory and sample number
				Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO <sub>3</sub> )	Carbonate (CO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Boron (B)	Calculated (Sum of determined constituents)			
U.S. Public Health Service drinking water standards (1982)																				
5N/11A-1201	4- -60	512															500	580		19
	8- -60	512			al54		41		189		187	74		22	0.4	571	580		230	
	5- -61	512			al52		46		262		101	92		30	.3	548	640		165	
	6-19-63	512	1.6		169	43	47	5.1	324		216	80	0.1	51	.1	773	975	599	333	
																				14
1201	1- -60	483			al44		41		244		163	57		8.7	.5	534	580		160	
	8- -60	483			al18		37		195		120	57		13	.2	441	500		135	
	5- -61	483	.25		al34		41		220		158	50		16	.1	507	510	336	155	
	6-19-63	483			100	21	44	2.7	169		161	51	.2	20		483	555		197	
																			22	
1201	3- -60	392			al54		41		268		125	53		33	.8	549	640		165	
	8- -60	392			al44		44		232		150	64		24	.2	510	600		139	
	5- -61	392	.07		al54		41		238		187	50		19	.1	568	550	390	228	
	6-19-63	392			115	25	47	3.3	197		176	45	.2	26		564	650		200	
1201	10-24-55	602			al10		85		122		58	14		1.9	.3	552		275	0	
	3- -60	602			a30		48		140		37	57		9.3	.2	344	380		55	
	8- -60	602			a68		55		159		101	103		8.1	.1	451	510		180	
	5- -61	602	.01		al24	7.3	45	2.2	106		75	37	.2	6.0		270	320	142	55	
	6-19-63	602																	36	
1301	6-19-63		.01		68	12	65	2.7	149		117	57	.3	14		409	470	219	97	
																			39	
	3- -60	649			al18		64		232		178	42		24	.5	540	570	105	32	
	8- -60	649			al12		64		207		144	57		22		501	550	110	33	
	6-19-63	649	.03		83	17	65	2.7	342		182	50		7.4	.1	646	680	277	180	
1301	8-15-50	380			48	14	64		183		92	21		3.1	.09	316		178	27	
	8-14-53	380			68	19	80	2.8	207	0	170	43	.8	18	.10	504	556	248	78	
	12-13-56	380	10		34	12	24	4.7	172	0	33	13	.5	0	.20	216	260	134	27	
	9-4-58	380	26		70	19	78	2.6	189	0	184	20		21	.08	544	543	253	98	
	6-10-60	380	26		87	17	92	2.7	195	0	244	41	.8	19	.18	629	614	287	114	
1301	8-11-61	380							198	0								276		
	2- -60	488			al20		92		244		35	35		31	1.0	399		100	40	
	3- -60	488			al28		83		256		202	49		30	1.0	609		110	80	
	8- -60	488			al16		90		207		211	57		38	.20	544		120	40	
6N/8A-1501	5- -61	488	.15		41	15	72	2.7	163		224	43	.5	19	.10	568		281	118	
	6-19-63	488																	42	
	8-14-53	60	64		82	22	120	2.2	161	0	336	43		8.9	.14	694	766	295	163	
	10-18-54	60	70		76	18	111	2.8	141	2	301	35	.8	8.7	.23	625	673	264	143	
2311	3-14-57	60	52	.1	63	15	104	1.8	143	0	262	30	.9	7.0		549	589	219	100	
	5- -61	60	41		70	16	104	1.9	134	0	287	39	.4	20	.08	646	633	241	132	
	6-10-61	60							138	0		30						231	118	
	8-10-61	60																	48	
	8-11-60	210	14		56	11	70	3.9	98	0	110	14	.3	2.6	.03	422	380	185	14	
2311	8-14-53	73	20		19	3.0	70	2.5	90	0	134	2.0	.9	0	.02	275	304	60	0	
	9-4-58	22	22		34	9.0	60	3.6	76	3	179	5.0	.5	1.7	.05	353	349	122	51	
	7- -9-54		20		54	18	67	5	128	0	243	5.0	.8	0		478	508	209	105	
																			40	

Well number	Date of collection	Depth of well (feet)	Water temperature (°F)	Results in parts per million (ppm)															pH	Specific conductance (micromhos at 25°C)	Analyzing laboratory and sample number		
				Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO <sub>3</sub> )	Carbonate (CO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Boron (B)	Dissolved solids						
																	Calculated (Sum of determined constituents)	Residue on evaporation at 180°C				Hardness as CaCO <sub>3</sub>	Noncarbonate hardness as CaCO <sub>3</sub>
U.S. Public Health Service drinking-water standards (1982)																							
6N/ 8N-23M	6-10-61	19	19	0.3	33	15	56	4.4	101	0	180	4.0	0.6	1.9	0	364	365	144	63	45	568	7.0	DMR 12905
	4-12-62	23	38		44	16	53	4.8	96	0	188	7.0	.4	.8	.05	378	388	161	61	41	570	8.0	DMR 2569
	7-19-63	18	44		40	7.1	61	4.7	95	0	181	5.3	.4	1.8	.08	371	384	142	66	47	560	7.7	DMR R4667
	3-25-64	15					60	4.5	103	0	185	0	.4	0	.07	366	374	141	58	47	500	7.3	DMR L6217
	4- 6-64	259	28		28	7.1	49	3.1	126	0	89	9.0	.3	3.2	0	251	263	102	0	50	445	7.9	DMR R-259
35F1	12-13-56	73	16		19	7.0	65	3.5	98	0	126	10	.4	1.7	0	297	276	76	0	64	410	7.5	DMR T5433
	9- 4-58	27	27		28	8.1	52	3.1	118	5	133	5.0	.4	3.5	.06	304	283	100	20	55	442	8.4	DMR R2224
	8-11-60	10				5.1	59	3.9	110	0	115	8.0	.4	5.0	0	288	230	90	1	57	442	7.8	DMR 12116
	6-10-61	14	20		20	9.5	56	3.3	106	0	118	4.0	.4	.8	.03	278	257	89	2	57	450	6.9	DMR 12906
	4-12-62	16	24		24	9.1	60	3.2	89	0	146	7.0	.4	1.7	.02	311	320	97	22	57	497	8.0	DMR 2569
6N/ 9N- 442	7-19-63	135	30		30	7.0	56	3.6	100	0	136	1.8	.4	2.1	.02	298	308	104	21	53	480	8.0	DMR L477
	3-24-64	135	30		30	6.8	56	3.6	106	0	130	5.3	.2	2.2	.09	302	266	103	14	54	425	7.9	DMR 16589
	8-11-60	15	28		28	7.0	41	2.9	159	0	44	6.4	.1	.4	.05	223	282	99	0	46	375	7.8	DMR 1395
	6-16-58	160	40		40	8.0	44	19	166	0	63	22	.6	3.5	.12	282	286	133	0	41	403	7.7	DMR 1973
	8-15-53	160	36		44	10	44	1.3	119	0	68	18	.8	4.5	.12	256	306	131	9	42	455	7.4	DMR 3352
1001	3-12-57	50	42		42	7.0	51	1.5	146	0	77	30	.6	7.0	.13	288	323	134	15	45	453	7.8	DMR R1099
6N/10N- 5H1	9- 4-58	32	42		42	7.0	50	1.4	131	0	82	30	.3	12	.10	322	308	135	28	44	500	8.2	DMR R-2211
	6-10-61	160							131	0		39					149		41		512	7.8	DMR L-1442
	8- 2-61	19	23	0	23	9.1	41	3.2	155	0	48	7	.4	2.3	.05	229	220	95	0	47	356	8.0	DMR 2566
	5-14-64	288	44		44	12	60	3	126	0	158	11	.5	2.5	0	353	365	159	58	44	564	7.9	DMR R-459
	2-12-64	704	25		25	3.8	76	1	115	0	116	19	1.5	0	.18	299	324	78	0	68	503	7.5	DMR R-458
	2-12-64	185	41		41	15	17	3	176	0	44	8	.4	0	.05	215	245	164	17	18	387	7.3	DMR R-457
	5-14-64	107	42		42	12	28	3	171	0	66	8	.4	0	.10	244	262	154	13	28	425	8.3	DMR R-462
	8-11-60	314	20		28	8	36	3.5	153	0	47	7	.4	3.1	.06	228	218	103	0	42	366	7.8	DMR R-3514
	4-12-53	425	45		45	13	15	1.2	181	0	39	4.0	.6	1.0	.02	208	226	166	18	16	373	7.6	DMR 3359
	10-18-54	425	54		54	10	17	3.4	180	0	45	11	.3	1.6	.12	230	250	176	29	17	392	8.2	DMR R-412
32B1	3-12-57	425	56		56	12	12	3.5	198	0	46	7.0	.5	2.3	.05	237	258	189	25	12	388	8.7	DMR R-11098
	7-19-63	425	52		52	7.0	18	3.1	178	0	44	3.0	.5	1.4	.11	234	240	159	13	20	370	8.0	DMR L-4690
	3-25-64	425	18		48	11	19	3.4	192	0	43	5.3	.2	.9	.09	244	226	162	5	20	360	8.2	DMR L-6530
	12-14-56	18	50		50	17	15	3.9	189	0	56	18	.5	1.7	0	273	380	195	40	15	390	7.5	DMR T-5449
	7- 9-59	20	45		45	15	16	4.2	181	0	44	9.0	.5	1.4	.05	244	225	174	26	16	379	7.3	DMR 3526
1301	5-14-64	137	43		43	12	27	2	176	0	48	11	.6	0	.13	231	247	157	11	27	407	7.9	DMR R-460
20B1	8-12-60	360	53		53	9.0	43	2.0	146	0	61	53	.6	9.5	.11	326	301	169	50	35	541	7.2	DMR R-3486
32B1	8-23-50	600	39		39	10	43.1	2.0	128	0	37	35		2.2	0	189		139	34	5	380	8.2	DMR 982

Well number	Date of collection	Depth of well (feet)	Water temperature (°F)	Results in parts per million (ppm)														Specific conductance (micromhos at 25°C)	pH	Analyzing laboratory and sample number				
				Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO <sub>3</sub> )	Carbonate (CO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Boron (B)	Dissolved solids				Percent sodium			
																	Calculated (Sum of determined constituents)					Residue on evaporation at 180°C	Hardness as CaCO <sub>3</sub>	Noncarbonate hardness as CaCO <sub>3</sub>
U.S. Public Health Service drinking-water standards (1982)																								
6N/114-1B1	3-31-64	460			26	4.6	28	2.0	120	0	23	20	0.2	1.0	0	164	177	84	0	41	301	7.7	DMR R-258	
5A1	9-15-50			45	13	618		147		147		27	21	3.4	0	199		166	45	19	330	8.1	DMR #66	
19B1	5-10-49	473			40	17	27		152	0	71	30		0	.5	252	198	170	48	26		7.0	PC 1419	
	9-14-49	473							148	0		8											9.6	PC 1557
	2-1-50	473							140	0	66	20		0	.5	268	334	293	172	0		9.6	PC 1604	
	6-28-50	473		0	95	13	0		145	0	153	20		5		373	244	193	72	37		6.5	PC 2561	
	8-13-51	473		0	56	13	53		148	0														
21C1	9-15-50	350		48	12	626		122		122		45	53	2.1	0	246		169	69	25	7.9	DMR #67		
21B1	6-3-53	589	68		34	4.9	20	2.0	137	0	18	9.6	.1	2.5	0	158	164	105	0	29	258	7.6	DMR R-683	
	10-19-54	589	72		34	4.0	20	1.7	134	0	23	7.6	.4	2.4	.10	159	177	101	0	29	250	7.9	DMR R-303	
	12-13-56	589			34	8.0	24	2.0	150	0	27	13	.1	4.2	.05	208	235	118	0	30	285	7.6	DMR T-5386	
	9-14-58	589	72	25	34	3.0	17	1.8	134	0	16	7.6	.1	5.0	.04	175	161	97	0	27	272	8.2	DMR R-2212	
6-9-61	589								144	0								101	0		284	7.1	DMR 12878	
7-30-63	589				33	3.8	23	1.8	139	0	20	6.6	.2	2.4	.03	179	180	98	0	33	295	8.3	DMR L-4935	
3-27-64	589				33	4.5	24	1.9	145	0	24	7.1	.2	2.6	.05	187	184	101	0	33	300	7.9	DMR L-6525	
32P1	9-15-50	495			33	8.0	626		153	0	22	5.0		.5	.02	170		115	0	33	300	8.1	DMR #65	
36G1	3-31-64	572			27	5.5	15	1.6	124	0	14	6.6	.1	1.4	0	132	147	90	0	26	241	7.9	DMR R-257	
6N/124-8B1	3-31-64	630			20	5.8	58	3.1	153	0	43	25	.5	1.5	0	232	243	74	0	62	409	7.9	DMR R-256	
24A1	8-4-59	502			29	8.3	31		151	0	28	24		0		199		106	0	35	362	7.9	PC 4679	
24P1	8-18-60	610	76	25	28	7.0	35	1.2	146	0	22	21	.2	5.0	.03	216	192	99	0	43	350	7.4	DMR R-3108	
	8-22-60	610			25	7.0	42		156	0	26	21		0		198		91	0	50	337	8.0	PC 6765	
2422	9-14-48				36	13	613		136	0	31	20		0	.5	180	158	143	32	16		8.7	PC 1142	
7N/114-4P1	10-10-48	360			18	3.0	2.0	9.1	129	0	0	10	1.5			108		57	0	20	250	7.9	AFS	
9P1	8-17-60	200	26		75	14	23	2.3	165	0	93	39	.1	7.4	.03	361	373	245	110	17	572	7.6	DMR R-3522	
16B1	9-23-50				47	10	65.0		140		44	23		3.9	.02	202		159	44	9	380	8.4	DMR #81	
22B1	8-14-51	660			20	5.0	18	1.3	120	0	8	2	.6	.5	.02	114	136	70	0	35	227	7.9	DMR 3356	
23B1	12-14-56	600	68	19		3.0	24	1.6	113	0	13	8.0	.2	1.6	0	146	124	62	0	45	190	7.6	DMR T-5430	
	9-4-58	600	72	20	21	1.0	20	1.4	88	11	5.0	4.0	.2	2.9	.03	130	123	56	0	44	212	8.4	DMR R-2222	
6-9-61	600								120	0		4.0									229	7.2	DMR 12877	
4-13-62	600				26	5.0	19	1.9	122	0	12	9	.2	1.7	0	154	164	78	0	33	233	8.2	DMR 2516	
7-14-63	600				24	4.0	19	1.6	120	0	12	2.8	.2	1.8	.06	144	142	76	0	34	240	8.1	DMR L-4711	
33B1	8-18-60		70	24	54	9.0	18	2.3	186	0	24	16	.2	6.8	.03	246	243	172	20	18	418	7.4	DMR R-3507	
	4-17-61		66	26	62	10	17	2.3	190	0	25	20	.2	14	.01	274	278	156	33	16	465	7.6	DMR R-3866	



Well number	Date of collection	Depth of well (feet)	Water temperature (°F)	Results in parts per million (ppm)														pH	Specific conductance (micromhos at 25°C)	Analyzing laboratory and sample number			
				Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO <sub>3</sub> )	Carbonate (CO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Boron (B)	Dissolved solids				Percent sodium		
																	Calculated (Sum of determined constituents)					Residue on evaporation at 180°C	Hardness as CaCO <sub>3</sub>
U S Public Health Service drinking-water standards (1982)																							
78/126- 201	4-17-52	200	66	29	0.04	32	6.0	22	1.1	144	0	23	9.2	0.1	1.9	0.08	194	500	105	31	GS 8555		
782	3-31-64	110				39	7.7	40	1.2	188	0	20	23	.4	1.0	.32	235	262	129	40	DMR R-255		
951	10-14-60	1,104	23	0		19	5.0	22		122	0	8.0	4.0	.6	3.0	0	145		68	41	DMR		
922	9-14-61	503	20	0		24	5.0	20		122	0	11	8.0	.3	0	0	148		80	35	DMR		
1091	11-25-53	600	18	0		22	5.0	27		146	0	9.0	4.0	.1	0	0	157		76	44	DMR		
1131	7-26-61	1,206	19	0		6.0	2.0	41		112	0	11	4.0	.8	2.0	0	141		23	79	DMR		
1134	10-12-61	1,346	22	0		24	6.0	13		110	0	10	6.0	.8	2.0	0	138		85	25	DMR		
1142	12-2-60	600	21	0		21	6.0	26		127	0	25	2.0	.1	0	0	164		77	42	DMR		
1342	10-14-60	426	20	0		30	5.0	16		98	0	22	18	.4	0	0	159		96	27	DMR		
1532	9-14-48	600				32	12	618		148	0	29	12		0	.5	176	174	129	8	FC 1134 FC 1693		
	2-20-50	600	17	0		14	4.0	42		132	8	11	8.0	.8	0	0	167		52	64	DMR		
	11-25-53	600	24	0		18	2.0	42		141	5	11	4.0	.2	17	0	186		53	63	DMR		
	12-10-53	600	18	0		11	3.0	54		146	0	9.0	4.0	1.1	0	.3	185		40	75	DMR		
1581	9-25-53	700	22	.12		16	1.0	48		137	18	9.0	0	.4	25	0	192		44	70	DMR		
	12-10-53	700	19	0		5.0	0	78		129	7	9.0	2.0	1.0	8.0	0	223		12	93	DMR		
1582	2-14-64	670								168	8	19	2.0	1.6	0	0	217		28	85	DMR		
4 1583	9-14-61	1,227	19	0		8.0	2.0	72		154	22	10	6.0	1.6	0	0	217		28	85	DMR		
15251	9-10-46	503	20			14	3.7	638		38		13	4.2				131		50	63	GS 18618		
	1-20-47	503	26			20	4.9	634		27		15	7.9				135		70	51	GS 18719		
	11-14-47	503	24			15	4.3	641		140		17	7.3				178		55	68	GS 18853		
	4-3-51	503	18			18	2.3	36		133		7.4	9.1		3.6		160		54	58	GS 18953		
2161	2-14-56	670	21	0		11	3.0	69		168	6	15	2.0	1.0	8	0	219		40	79	DMR		
	9-14-61	670	20	0		17	5.0	27		132	0	8.0	2.0	.6	0	0	145		63	48	DMR		
2162	10-19-60	637	20	0		7.0	4.0	41		127	0	8.0	2.0	1.4	4.0	0	150		34	72	DMR		
2123	1-14-20	350	40	.07		157	23	675		364	0	127	77		61		739	766	487	188	DMR 957		
2281	12-2-53	602	20	0		16	5.0	15		102	0	9.0	2.0	.2	0	0	117		61	36	DMR		
	12-26-60	602	19	0		7.0	3.0	35		110	0	8.0	2.0		4.0	0	132		30	72	DMR		
2282	11-25-53	552	17	0		12	4	37		134	0	11	4.0	.3	0	0	151		46	63	DMR		
	2-14-56	552	21	0		18	1.0	50		154	0	17	4.0	.4	9.0	0	196		49	69	DMR		
	12-2-60	552	19	0		14	5.0	32		125	0	11	6.0	.1	0	0	149		56	56	DMR		
26K1	12-16-53	600	19	0		13	1.0	45		127	0	12	6.0	0	12	0	171		37	73	DMR		
	12-29-53	604	20	7.0		17	3.0	33		124	0	12	8.0	.1	0	0	141		55	57	DMR		
	10-14-60	604	20	0		21	6.0	15		99		7.0	12	.4	7.0	0	135		77	1	DMR		

Well number	Date of collection	Depth of well (feet)	Water temperature (°F)	Results in parts per million (ppm)														Specific conductance (micromhos at 25°C)	pH	Analyzing laboratory and sample number				
				Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO <sub>3</sub> )	Carbonate (CO <sub>3</sub> )	Sulfate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Nitrate (NO <sub>3</sub> )	Boron (B)	Dissolved solids				Hardness as CaCO <sub>3</sub>	Noncarbonate hardness as CaCO <sub>3</sub>	Percent sodium	
																	Calculated (sum of determined constituents)							Residue on evaporation at 180°C
U.S. Public Health Service drinking-water standards (1982)																								
0-3																								
500																								
68																								
246																								
8.4																								
7.7																								
8.2																								
283																								
7.7																								
8.5																								
211																								
258																								
8.2																								
500																								
8.2																								
PA																								
8.3																								
230																								
166																								
139																								
86																								
0																								
63																								
39																								
88																								
81																								
59																								
186																								
171																								
158																								
55																								
0																								
176																								
42																								
0																								
69																								
265																								
158																								
33																								
0																								
60																								
130																								
45																								
0																								
148																								
64																								
0																								
70																								
50																								
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8.0																								
OS																								
7.6																								
740																								
443																								
209																								
35																								
41																								
255																								
243																								
124																								
1																								
32																								
78																								
0																								
56																								
99																								
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48																								
83																								
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139																								
142																								
86																								
23																								
49																								
194																								
129																								
66																								
39																								
0																								
216																								
319																								
0																								
77																								
363																								
7.6																								
573																								
7.5																								
518																								
8.1																								
608																								
7.4																								
0																								
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109																								
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0																								
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9446																								
246																								
0																								
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133																								
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163																								
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[illegible]



APPENDIX F

TABLE 6. CROSS INDEX OF STATE NUMBERS AND OTHER NUMBERS

TABLE 7. REFERENCES THAT CONTAIN WATER-LEVEL MEASUREMENTS  
IN WELLS IN THE EASTERN PART OF THE ANTELOPE  
VALLEY AREA, CALIFORNIA



Table 6.--Cross index of state numbers and other numbers

Table 6 lists the official state well numbers assigned to wells by the Geological Survey, cross indexed with the old numbers assigned to the well as follows: DWR California Department of Water Resources; FC Los Angeles County Flood Control District; J Johnson (1911); O owner; T Thompson (1929); and WRB California Water Rights Board. For well numbers assigned by the California Department of Water Resources prior to adoption of the uniform state well-numbering system, the township and range numbers and letters are omitted.

A lowercase letter preceding the well number indicates a footnote.

State numbers	Other numbers					
	DWR	FC	J	O	T	WRB
4N/ 9W- 6A1	6C	7743A				
6A2	6D	7743B				
6A3	6E	7743C		2		
6B1	6B	7743				
6G1	6A	7733B				
6Q1		7734A				
7B1		7734C				
9E1		7765				
9M1		7765E		5		
9N1	9A	7765A		1		1901211
9N2		7765B		2		1901212
9N3		7765D		4		1902282
9N4		7765F		6		
9P1		7765C		3		
9R1		7785C				
10L1		7785E				
10L2		7785D				
10M1		7785A				1900414
10M2		7785				
10P1		7785B				
14D1		7806				
4N/10W-11A2		7704C				



State number	Other numbers					
	DWR	FC	J	O	T	WRB
5N/ 8W-20P1	20A	9059				
25H1	25A	7930				
28F1	28A	7870				
5N/ 9W- 2E1	2A	9005				
4F1		8974A				
5E1		8954				
5R1	5A	8965				
5R3		8965A				
6B1	6A	8844				
6E1	6B	8934A				
20J1	20A	8969				
20K1		8959				
20L1		8959A				
5N/ 9W-21J1	21A	8989				
21J2	21B	8989A				
21J3	21C	8989B				
24P1		9029				
25A1		7830				
26C1		7800A				
26D1		7800				
28A1	27A	7780				
28A2	28B	7780A				
		7780B				
30N1		7731A				
31C1	31A	7731				
31J1	31C	7742A				
31R1	31B	7742				
31R2		7742B				
34D1		7781				
5N/10W- 3L1					6	
3N1					5	
5R1	5A	8855			4	
6N1	6A	8825				
7E1	7A	8826A			1	
7F1		8836				
7P1	7B	8827C			2	
7R1	7C	8847			3	
10E1					4	
10E2					3	
12B1	12A	8925				
13E1	14A	8917				
14Z1					2	
15H1	15B	8897				

State number	Other numbers					
	DWR	FC	J	O	T	WRB
5N/10W-15L1	15A	8888				
16G1		8877				
16P2		8878				
17L1		8857				
17R1		8858A				
18G1		8837A				
20A1		8858				
21H1		8879B				
21J1	21A	8879				
21J2		8879A			144	
22Z1	22A	8889				
23F1	23A	8909				
23L1	23F	8909B				
23M1		8899B				
23N1				1		
23N2	23D	8899D				
23N3	23C	8899A				
23Z1		8899C				
23Z2	23E	8909C				
23Z3		8909A				
23Z4	23B	8899			145	
24Z1		7710				
26B1	26A	7700				
26G1	26C	7700B				
26G2	26F	7700A				
26J1	26H	7700C				
26K1	a26E	7701C				
26P1	26B	7701				
26Q1	a26E	7701A				
26Q2	26D	7701B				
29J1		7650				
29K1		7650A				
29K2		7650B				
29K3		7650C				
34K1		b7682				
34N1		7682A				
34P1		7682B				
36A1	36A	7721				
36A2	36B	7721A				

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
5N/11W- 1D1				2		1900638
1D2				3		c1900239
1M1		8804				
1Z1		8815				
2Q1	2A	8805		1		1900401
4E1	4A	8754				1901177
4E2	4C	8764				1901176
4E3		8754C				
4N1	4E	8755A				
4P1	4B	8755				
4P2				3		
4R1	4D	8775A		4		
4R2		8765				
5D1	5A	8744				
5F1				16		
5H1				2		
5L1				12		1902346
5Q1		8755D				
7G1				1		
9A1	9B	8775			138	
9A3				2		
9C1	9D	8755B				
9D1	9E	8755C				
9Q1	9A	8767				
9Q2		8767A				
9R1	9C	8776				
10H1		8786				1900108
10R1	10A	8787				
12F1	12A	8816				1900565
12H1	12D	8826B				1900409
12J1				3		
12J2				4		
12Q1	12B	8816A		7		
12R1	12C	8826		1		
13A1				8		
13B1				5		
13G1	13A	8827				1901488
13J1	13B	8827A				
13K1	13C	8817		2		
13Z1	13D	8827B				
14A1		8807		15		c1900273
14F1	14A	8797			139	
14Z1	14B	8798			140	
23Z1	23A	8798A			142	

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
6N/ 8W- 8P1	8A	10358				
10N1		10388				
10N2	10B	10388A				
13Z1					126	
13Z2					123	
14C1					122	
14Z1					125	
14Z2					124	
15B1		10398				
18D1	18A	10338			121	
18P1	18B	10339				
20J1	20A	9060				
21J1						1900103
23A1						1900679
23H2					127	
23L1		9101				
26P1	26A	b9102				
27J1	27A	9092				
32K1	32B	9053				
32P1	32A	9054				
33A1	33C	9072A				
33A2	33B	9072				
35F1		9103				
35P1	c35F2					
36Z1					128	
6N/ 9W- 3D1		10275A				1902070
4H1	4A	10276				
4H2	4B	10276A				
6L1		10226				
6Q1		10236				
11N1	11A	10298				
11P1		10298A				
14N1	14A	10299				
14Q1	14B	10309				
15M1	15A	10279				
15M2	15B	10279A				
19R1	19A	8931				
21Z1	21A	8961				
22E1						1900352
22J1	22B	8980				
22L2	22D	8980A				

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
6N/ 9W-22M2	22A	8970				
22Q1	22F	8981B				
22Q2	22E	8981A				
22Q3	22C	8981				
22Z1					118	
22Z2					119	
24R1	24A	9021				
25H1	25A	9021A				
26A5	26B	9001				
26Q1	26A	9002				
26Q3	26C	9002A				
27M1		8972				
27Q1	27A	8982				
28H1		8971				
28K1				3		
28N1		8952B				
28P1				2		
28Q1				1		
28Z1					120	
28Z2	28A	8962				
29E1		8941				
29G1	29A	8951				c1901494
29Q1	29B	8952A				
29Q2	29C	8952				
29Z1		8941A				
30F1	30A	8921				
30F2	30B	8921A				
30J1		8932				
31R1	31A	8934				
32Z1	32A	8944A				
33B1	33B	8963A				
33E1	33D	8963C				
33H1		8973				
33N1		8954A				
33P1		8964				
33Z1	33A	8963				
33Z2	33C	8963B				
34N1	34A	8974				
35N1	35A	8994				

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
6N/10W- 4F1	4A	10156				
5H2		10145				
9C1	9E	10157B				
9E1	9B	10157A				
9K1	9A	10157				
9Q1	9C	10158				
9Q2	9D	10168				
10Q1	10A	10178				
17E1		10138				
17N1	17A	10139				
18Q1				3		1901144
18Z1					115	
19G1				1		1901142
19H1				2		1901143
20N1		8831A				
20P1	20A	8831				
22D1				1		c1900101
22N1	22A	8871				
22Z1					117	
25M1	25A	8902				
26R1	26A	8892A				
27B1	27A	8871A				
27B1	27B	8871B				
27B3	27C	8871C				
28Z1					116	
29A1		8841		d2		
29D1		8831B		2		
30J1		8822				
31Q1		8824		6		
32E1	32B	8833A				
32F1	32A	8833				
32H1		8843				
32Q1	32C	8844				
32Q2	32D	8844A				
33A1		8862		1		
34D1		8862A		3		
34F1		8873		4		
34G1				5		
35A1	35A	8892				
36N1		8884				

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
6N/11W- 1B1		10105		3		
3E1				d2		1901043
3E2				2		
4C1	4A	10045A		20		
4F1				19		
4H1				1		1901042
4N1				18		
5A1	5A	10045		17		
5B1				15		
5D1				13		
5N1	5B	10026		14		
5Z1				24		
5Z2				25		
5Z3				16		
6G1				2B		
6H1				11		
6H2				11A		
6K1				2A		
6L1				29		
6Z1	6A	10016		9		
6Z2	6B	10016A		10	102	
6Z3				12		
7Z1	7A	10018		23		
7Z2				27		
8E1	8G	10027		22	104	
8R1	8A	10038				
8R2	8B	10038A				
8R3	8F	10038B				
8R4	8C	10048				
8R5	8D	10048A				
8R6	8E	10048B				
8Z1				21		
9F1	9A	10057				
9H1						1901192
9P1						1900167
9Q1						1900408
10D1	10A	10067			105	
11E1				2		
11M1				1		
12F1	12E	10107A				
12F2	12B	10107				

See footnotes at end of table.



State number	Other numbers					
	DWR	FC	J	O	T	WRB
6N/11W-12M1	12A	10097				
12Q1	12C	10108				
12Z1	12D	10118			168	
14Q1	14A	10079			113	
18P1	18B	10019		2		
18Q1	18A	10019A		1		
19E1	19A	8700		2		1901751
19E2				3A		
19E3		8700B		3		c1901752
19Z1				1		1901021
20G1	20C	8730		5		1901753
20G2				10		1901757
20N1	20E	8721		8		1901756
20P1	20A	8731				1901024
20R1	20B	8731A				
20R2	20F	8731C				
20Z1	20D	8731B				
21C1	21D	10049			156	
21E1	21A	8740		6		1901751
21F1	21C	8750		7		1901755
21N1	21B	8741A			107	1900175
24Z1					114	
25R1		8812				
26J1		8792A				
26R1	26A	8792				
28E1	28A	8741		26	109	
28N1	28B	8742				
28N2	28C	8742A			108	
29N1	29A	8722A				
29N2	29B	8722				
32P1	32A	8734		9	111	
32P2		8734A		13		
33H1	33C	8753				
33Q1	33A	8754B				
33Q7	33Q1	8753A				
33R1	33B	8754A				
34N1	34B	8764B				
34P1	34A	8764A				
36G1		8803				

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
6N/12W- 1J1		10006		1		
1K1				30		
1Z1				8		
5A1				1		
7A1		9917		1		
7A2		9916		2		
8R1		9938D		3		
9H1				1		1900865
9H2				2		1900866
10C1	10A	9966				
11P1		9978				
12M1				31		
12R1		10007		26		
12Z1	12A	10008		7		
13A1				6		
13N1				15		
13Q1	13A	9999		3	100	
13Q2		9999A		4		
13Z1		9999B		5		
15F1				1		1900790
16D1		9938A				
16Z1		9938				
17A1		9938C				
17A2		9938B				
21A1		9959A		2		1900872
21A2				1		1900873
21E1	21A	8630				
23M1		8670				
24A1		8700C		14		1900813
24C1				11A		
24C2	24A	8690		11		
24F1		8690A				1902347
24Z2	24B	8700A				
25N1	25A	8682				
26Q1			154			
26Z1			152		101	
26Z2			153			
26Z3			120			
35Z1	35A	8672	155			

State number	Other numbers					
	DWR	FC	J	O	T	WRB
6N/13W- 1F1	1A	9896			97	
2N1	11A	9866		3		1900605
2N2					95	
2Z9					96	
11F2			24			
12J1	12A	9897				
23Z1	23A	8560				
7N/11W- 2A1						c1900207
2B1	2C	11386			83	
2C1						1901134
2D1						1901058
2H1	2F	11397A				
2H2	2A	11397			160	
2H3	2G	11397B				
2J1	2B	11397C				
2N2			125			
2R1	2D	11398			82	
2Z1	2E	11396				
2Z2			127			
2Z3					e84	
2Z4					e84	
2Z5			128			
3B1	3A	11376				
3C1						1900546
3H4						1900860
3N1						1900554
3P4						1900555
3R2			74			
3Z1	3B	11367				
3Z2			232			
4A4						1900572
4N2			172			
4P1						1901053
4Z1			136			
5F1				2		
5Z1				1		
6N2			131			
6N4					77	
6Z1			134			
6Z2			135			
6Z3	6A	11306			76	

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/11W- 6Z4						132B
6Z5						132A
6Z6						133
6Z7						133A
8P1	8A	11329				
8Q1	8B	11339				
8R1		11339A				
8Z1						141
8Z2						142
8Z3						143
8Z4						137
8Z5						138
8Z6						139
8Z7						83
8Z8						144
8Z9						145
8Z10						140
9P1		11349				
10J1						1900989
10K1				2		1900661
10N1	10F	11369D				
10N2	10G	11369E				
10P1	10E	11369C		1		1900660
10Q1	10C	11379				
10R1						1900683
10Z1				78		
10Z3	10D	11369A				
10Z4	10A	11369			169	
10Z5						281
10Z6	10B	11369B				
10Z7						90
10Z8						76
10Z9						171
10Z10						75
11A4					87	
11C2		11388A				
11D3	11A	11388				
11J2						1900871
11Q1						1900582
14B1				2		1900113
14G1				1		1900112
14H1						1900063
14N1						1900130

State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/11W-14P1						1900129
15A1						1900682
15H1				2		1900545
15Z1				1		1900544
16B1	16A	11359				
16B2	16C	11359A			81	
16H1	16D	10050				
		11359C				
16H2		11359B				
16L1	16B	10040				
16P2						1901112
17D1		11329A				
17F1	17A	10020				
17H1						1900019
18G1						1900877
18N1	18A	10000			78	
18R1	18B	10020A				
18R2	18C	10020B				
18Z1			130			
19B1	19B	10011				
19D1						1901427
19D2						1901456
19E1		10001				
19M1						1900875
19N1	19A	10002				
19N2						1900874
19Q3						c1900603
20B1	20A	10031				
20E1						1900577
20F1						1900579
20F2		10031A				1900573
20L1						1900574
20M1						1900576
20N1						1900575
20P1						1900581
20Z1			124			
21R1	21A	10052A				
22R1	22C					
22Z1	22B	10072B	289			
22Z2	22A	10072A	282			
22Z3			288			
23K1	23E	10081B				

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/11W-23L1	23B	10081			e86	
23L2	23D	10081A			86A	
23L3					e86	
23N1	23A	10072				
23Q1	23C	10082				
23R1		10092				
26G1						1900381
26Z1			123			
26Z2			122			
27F1	27A	10063				
27G1	27C	10073				
27P1	27B	10063A			154	
27Q1						1904442
28E1	28D	10042				
28E2	28E	10043				
28F2				1		
28H1	28C	10053A				
28L1	28B	10053				
28N5						1900845
28Z1	28A	10052				
29F1						1900075
30B1						1900073
30C1	30D	10012A			159	
30D1	30B	10002B			79	
30H1						1900074
30Z1	30A	10023				
30Z2	30C	10012				
31A1						1900603
32A1	32A	10044A				c1900682
32G1						1900641
32H1	32B	10044				
32Z1					80	
33A1				3		
33J1				e2		1900982
33J2				e2		
33Q1				e1		
33R1				e1		1900981
34Z1			210			
34Z2			211			

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/12W- 1A1		11306A				
1Q1				Commer #1		
1R1		11307				
2F11			272			
2R1			112a			
2R2			112b			
2R3			112c			
2Z1			187			
2Z2			113			
2Z3			182			
2Z4			114			
2Z5			293			
2Z6			294			
2Z7			126			
4H1	4C	11257	274			
4P1	4A	11248				
4P2	4B	11248A				
4Z1			255			
4Z2			217			
6D1	6B	11196				
6M1	6A	11197				
8D1	8A	11218	186			
8F1		11228A				1900772
9E1				18		
9E2				20		
9P1			316			
9Z1			315			
10N1		11259D		7		
10P1	10B	11259A				
10P2				10		
10Z1			302			
10Z2			303			
10Z3			304			
10Z4			305			
10Z5			306			
10Z6			295			
10Z7			296			
10Z8			97			
10Z9			98			
10Z10			96			
10Z11			242			
10Z12			276a			
10Z13			276b			
10Z14			278			



State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/12W-10Z15			277			
10Z16			279			
10Z17			275b			
10Z18			275a			
10Z19	10A	11259				
11K1				16		
11M1				14		
11M2				15		
11R1			110			
11R2					72	
11Z1			240			
11Z2			99			
11Z3			95			
11Z4			100			
11Z5	11A	11279		1		
12P3						1901009
12Q4	12J					
12Z1			111			
12Z2			84			
12Z3			224			
12Z4	12A	11309			72	
13K1	13A	10000A			75	
13M1			105			
13M2				23-3		
13Z1			107			
13Z2			106			
13Z3					74	
14E1		9970		1		1901689
14Z2			102			
14Z3			195			
14Z4			196			
14Z5			101			
14Z6			104			
14Z7			103			
15F1	15C	11259B				
15F2	15D	9950		4		
15F3	15A	9960		1		
15G1			300			
15L1			220			
15R1		9961A		6		
15R2		9961B		9		
15R3				17		
15Z1			307			
15Z2			308			
15Z3			301			
15Z4			194			

State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/12W-15Z5			231			
15Z6			298			
15Z7			331			
15Z8			346			
15Z9			193			
15Z10			310			
15Z11			309			
15Z12			184			
15Z13			353			
15Z14			311			
15Z15			314			
15Z16			313			
15Z17			312			
15Z18			222			
15Z19			339			
15Z20			340			
15Z21			338			
15Z22			337			
15Z23			347			
15Z24			349			
15Z25			350			
15Z26			348			
15Z27			230			
15Z28			226a			
15Z29			226b			
15Z30			345			
15Z31			202			
15Z32			332			
15Z33			333			
15Z34			317			
15Z35			334			
15Z36			197			
15Z37			351			
15Z38			221			
15Z39			216			
15Z40			341			
15Z41			342			
15Z42			190			
15Z43			299			
15Z44			199			
15Z45			335			
15Z46			336			
15Z47			344			
15Z48			343			

State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/12W-15Z49				181		
15Z50				198		
15Z52	15E	11259C				
15Z53	15B	9960A		2		
15Z54	15F	9950A				
15Z55				297		
16E1		9930				
16K1				322		
16L1				321		
16Z1				320a		
16Z2				320b		
16Z3				324		
16Z4				189a		
16Z5				189b		
16Z6				323		
16Z7				214		
16Z8				325		
16Z9				327		
16Z10				326		
18Z1				329		
18Z2				330		
19R1		9912		21		
20G1				244		
20H1				234		
20Z1				236		
20Z2				178		
20Z3				177		
20Z4				180		
20Z5				179		
20Z6				241		
20Z7				241a		
20Z8				245a		
20Z9				245b		
20Z10				246a		
20Z11				246b		
20Z12				237		
20Z13				235		
20Z14				176		
21A1	21A	9951			71	
21C1				11		
21C2		9941A		12		
21Z1				212		
21Z2				229		
21Z3					69	

State number	Other numbers					
	DWR	FC	J	O	T	WRB

7N/12W-21Z4					70	
21Z5			319			
21Z6			233			
21Z7			213			
21Z8			191			
21Z9			192			
22B1	22A	9961		3		
22B2		9961C		5		
22K1		9962C				
22P1	22C	9952				
22R1	22B	9962				
22R2		9962B				
22R3	22D	9962A			73	
22Z1			207			
22Z2			208			
22Z3			209			
23P1	23A	9972				
23Z1			248			
24D1			205			
24Q1		10002C				
24Z1	24A	10002A				
26K1	26A	9983		23-2		
26K2				23-1		
27H1						1900064
27H2				19		
27J4		9973		13		
27J5		9963B		8		
27P1		9953				1901017
27R1		9963A				1900868
28E1		9933B				
28M1	28A	9933A				
28P1		9943				1900789
29F1	29C	9923A				
29F2		9923B				
29P1	29A	9923				
29R1	29B	9933				
30Q1						1900336
30R1						1900990
31B1		9914		3		
32A1				1		1900781
32J1	32A	9934			166	
32R1	32B	9935				
32R2		9935A		1		1901417

State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/12W-33R1				2		
34A1	34F	9963				
34A2	34C	9964A				
34A3	34D	9964B				
34E1	34B	9954				1901018
34H1	34A	9964			167	
34R1	34E	9965				
35M1		9974				1901412
7N/13W- 2Z1			42a		e58	
2Z2			42b		e58	
2Z3			42c		e58	
2Z4			183			
3G1						1900335
3K1				2		1902103
10B1		11158			57	
10H1			173			
10J1			58			
10J2			46			
10J3			51		150	
10J4			52			
10J5			57			
10J6			59			
10J7			60			
10J8			61			
10R2			48			
10Z1			118			
10Z2			50			
10Z3			119			
10Z4			175			
10Z5			53a			
10Z6			53b			
10Z7			54			
10Z8			55			
10Z9			56			
10Z10			257			
10Z11					57	
10Z12			117			
11C1	11C	11168B				
11C2	11D	11168C				
11D1	11B	11168A				
11D2	11E	11168D				
11D3	11F	11168E				
11D5	11H	11168G			e55	

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/13W-11D6	11G	11168F			e55	
11D7	11J	11168I				
11E1	11I	11168H				
11M1	11A	11168				
11Z1			43a			
11Z2			43b			
11Z3			43c			
11Z4			116			
11Z5			45			
11Z6					e56	
11Z7			115			
11Z8			44			
11Z9					e56	
12Q1		11199	256			
12Z1			60a			
12Z2			60b			
12Z3			254			
13Z1					60	
14D1	14A	11169		1		
14D2				2		
14E1		11169A		4		
14E2				3		
14Q1			249			
14Z1			49			
15A1			47c			
15Z1	15A	9860			59	
15Z2			250			
15Z3			252			
15Z4			47a			
15Z5			47b			
15Z6			47d			
15Z7			47e			
15Z8			47f			
22Q1	22A	9852				1900988
22Z1			251			
23E2	23C	9861				
23F1		9871A				
23H1	23A	9871	247		61	
23N1	23B	9862				1901070
23Q1		9872A				1901061
23R1		9872				
24G1						1901011

See footnotes at end of table.

State number	Other numbers					
	DWR	FC	J	O	T	WRB
7N/13W-24H1	24A	9891				
24M1		9882		23		
24M2		9882A		22		
24Z1					63	
24Z2					62	
24Z3	24B	9892	188			
25M1				5		
25N1				2		1902360
26J1	26A	9883			66	
26J2		9883B		3		
26K1		9873				
26R1				2		1901162
27A1	27B	9862A				
27Q1				5		1900824
27R1						1901495
27R2	27C	9863B				
27R3	27D	9863				
34C1		9855				
34H1	34A	9864				
34J1						1900607
34J2		9864C				1900606
34Z1			25			
35B1	35C	9874		1		1900463
35C1		9874A		4		
35D1	35B	9863A			64	
35E1	35A	9864A				
35M1					65	
36D1		9884		1		1901163
36D2	36A	9883A			67A	
36D3					67	
8N/11W-26R1	26A	11395A				
26R2	26B	11395		1		
27R1		11375				
28Z1	28A	11345			41	
30R1	30B	11325A				
30R2	30A	11325				
33H1		11355				
33J3						1900086
33Q1						1900578
33R1	33A	11356				
34D1	34E	11365A				
34E1	34D	11365				
34G1						c1900958

See footnotes at end of table.



State number	Other numbers					
	DWR	FC	J	O	T	WRB
8N/11W-34N1	34C	11366A				
34P1						1901052
34R1	34A	11376A				
34R2		11376B				
35J1						1901571
8N/12W-30Q1	30B	11205				
32D1	32A	11215				
32M1	32B	11215A				
33Z1					40	
34F1			174			
34H1	34A	11265				
34P1	34B	11266				
34P2		11266B				
34P3			230			
34Z1			260			
35B1		11285				
8N/13W-35M1		11165				
36L1				1		

- a. The DWR number was obtained from FC data.
- b. Questionable correlation of wells.
- c. Questionable number.
- d. Well has been given a new number.
- e. The number has been used for more than one well.

Table 7.--References that contain water-level measurements in wells in the eastern part of the Antelope Valley area, California

Years for which measurements are available	Number <sup>1/</sup>	Year published	Years for which measurements are available	Number <sup>1/</sup>	Year published
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U.S. Geological Survey Water-Supply Paper

1908-09	278	1911	1949	1161	1952
1915-22	578	1929	1950	1170	1953
1915-43	991	1945	1951	1196	1954
1944	1021	1947	1952	1226	1955
1945	1028	1949	1953	1270	1956
1946	1076	1949	1954	1326	1957
1947	1101	1951	1955	1409	1957
1948	1131	1951	1956-60	1770	1963

California Department of Water Resources Bulletin

1908-41	39-J	1944	1951	39-T	1955
1942	39-K	1945	1952	39-U	1955
1943	39-L	1946	1953	39-V	1955
1944	39-M	1948	1954	39-W	1956
1945	39-N	1948	1955-56	39-56	1957
1946	39-O	1949	1956-57	39-57	1958
1947	39-P	1950	1957-58	39-58	1960
1948	39-Q	1953	1958-59	39-59	1961
1949	39-R	1954	1959-60	39-60	1961
1950	39-S	1955	1960-61	39-61	1963
			1961-62	39-62	1964

1. For complete titles see selected references. Number refers to Geological Survey Water-Supply Paper or Department of Water Resources Bulletin.

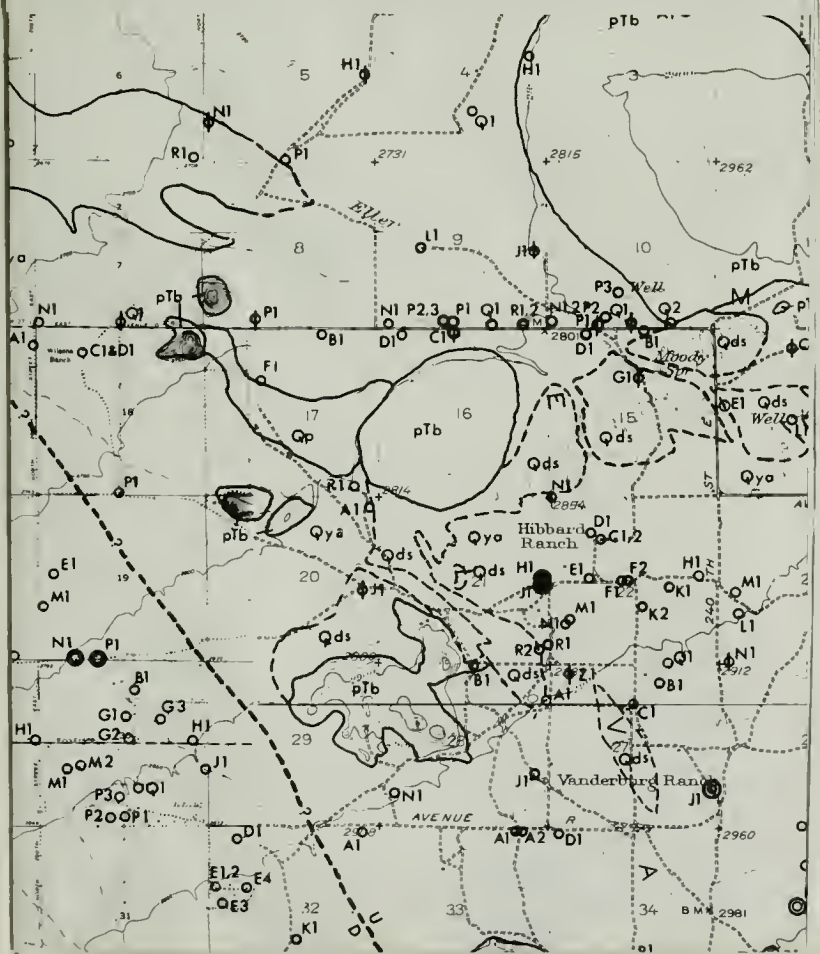


Table 7.--References that contain water-level measurements in wells in the eastern part of the Antelope Valley area, California

Years for which measurements are available	Number <sup>1/</sup>	Year published	Years for which measurements are available	Number <sup>1/</sup>	Year published
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U.S. Geological Survey Water-Supply Paper

1908-09	278	1911	1949	1161	1952
1915-22	578	1929	1950	1170	1953
1915-43	991	1945	1951	1196	1954
1944	1021	1947	1952	1226	1955
1945	1028	1949	1953	1270	1956
1946	1076	1949	1954	1326	1957
1947	1101	1951	1955	1409	1957
1948	1131	1951	1956-60	1770	1963

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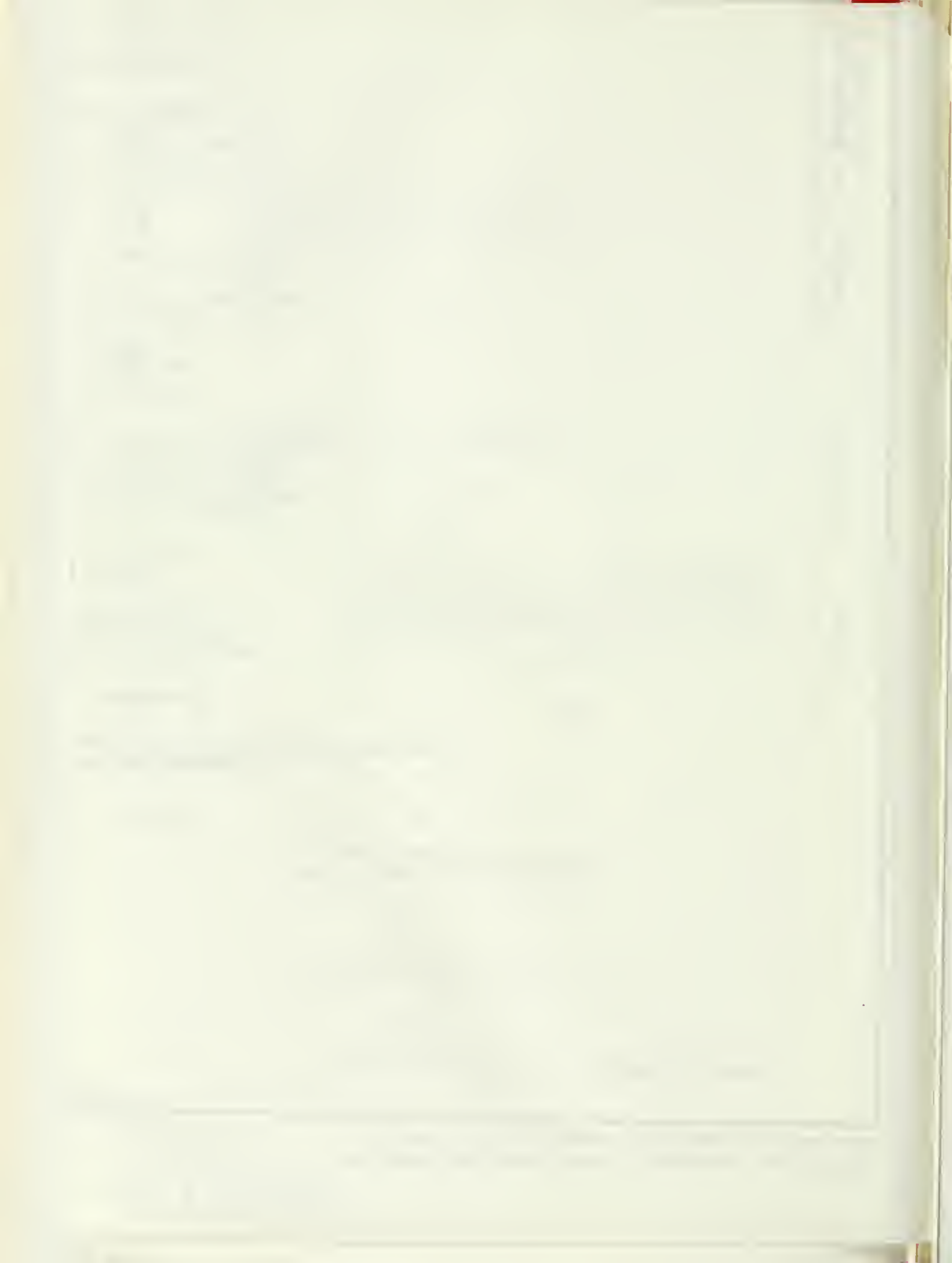
1908-41	39-J	1944	1951	39-T	1955
1942	39-K	1945	1952	39-U	1955
1943	39-L	1946	1953	39-V	1955
1944	39-M	1948	1954	39-W	1956
1945	39-N	1948	1955-56	39-56	1957
1946	39-O	1949	1956-57	39-57	1958
1947	39-P	1950	1957-58	39-58	1960
1948	39-Q	1953	1958-59	39-59	1961
1949	39-R	1954	1959-60	39-60	1961
1950	39-S	1955	1960-61	39-61	1963
			1961-62	39-62	1964

1. For complete titles see selected references. Number refers to Geological Survey Water-Supply Paper or Department of Water Resources Bulletin.



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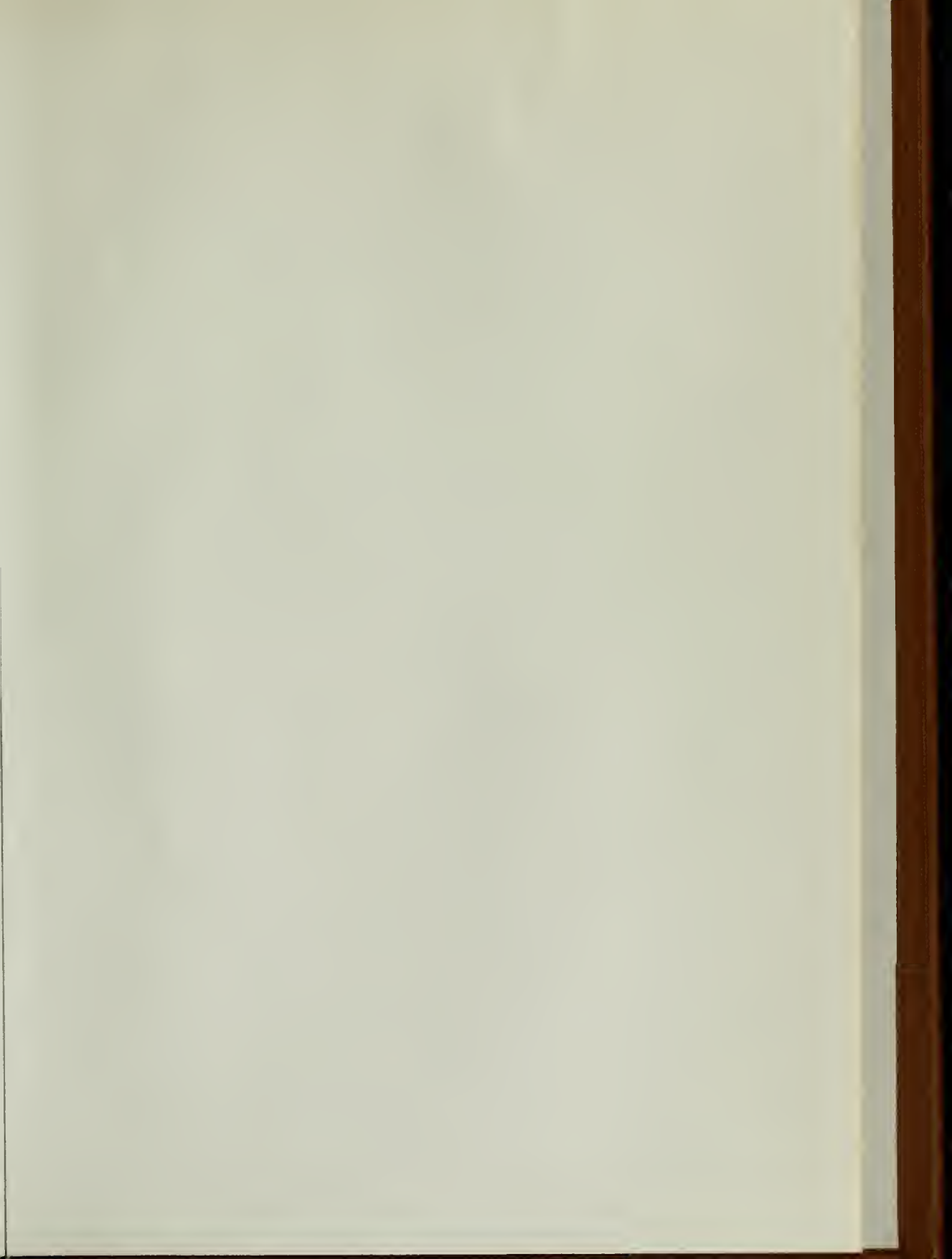
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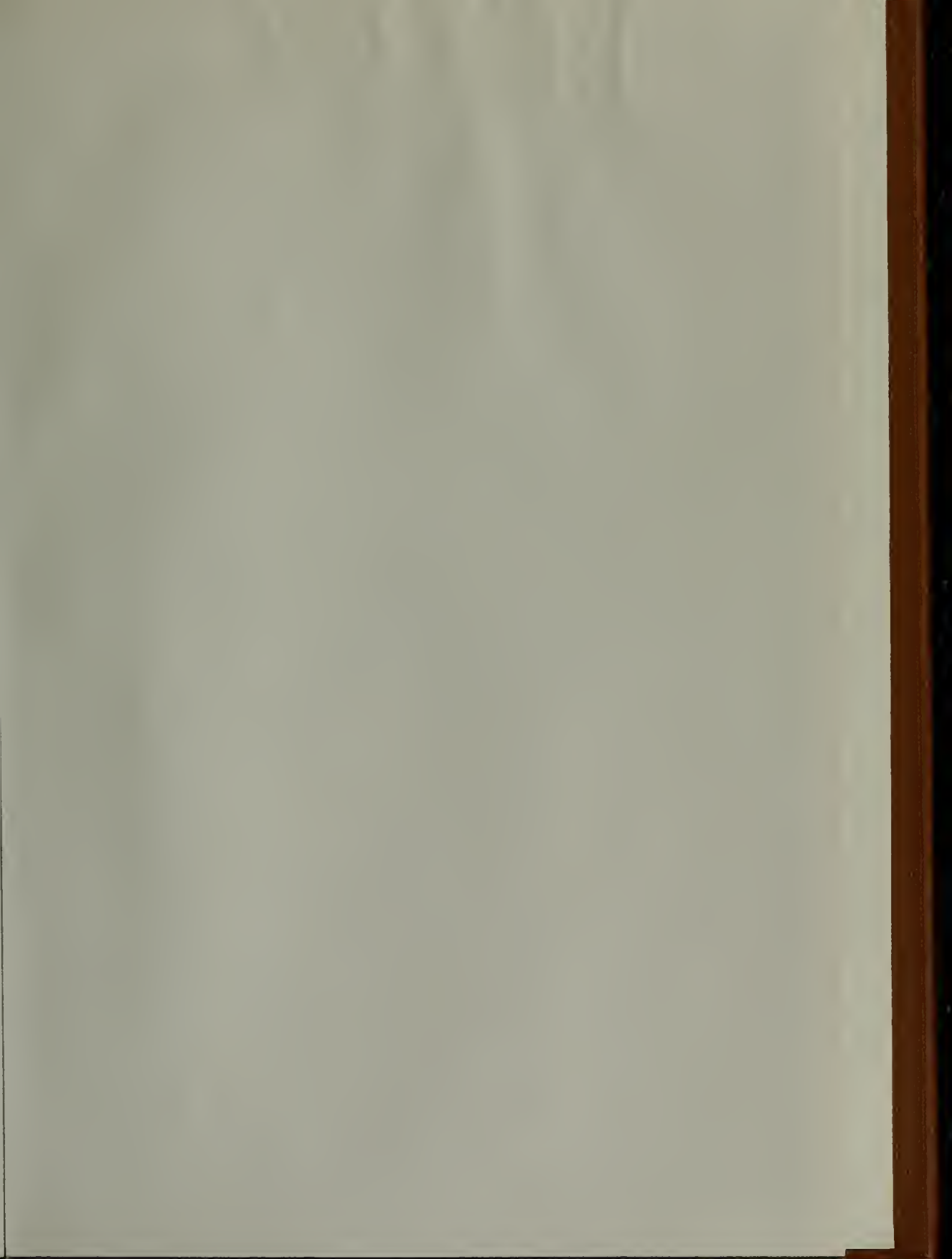












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